



Normal



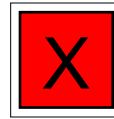
Caution



Serious



Critical

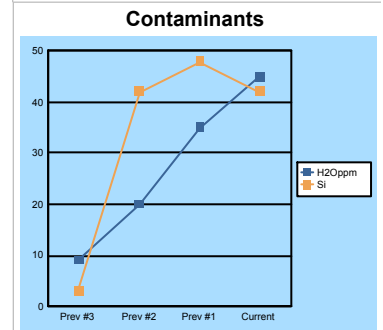
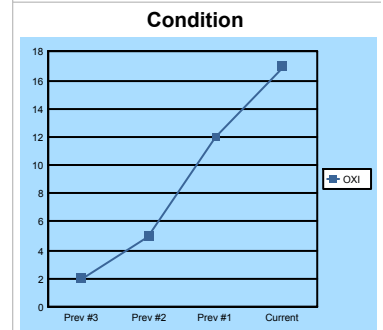
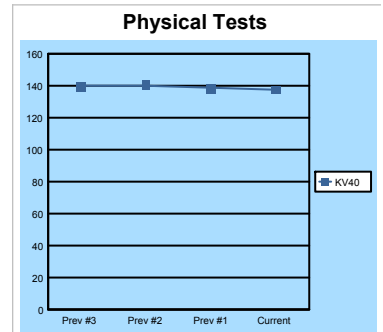


Customer Name Example Customer
 Address Unit 22-24, Business Park
 Big City,
 AB12 3AS
 Sample Date 05/07/2018
 Received Date 06/07/2018

Serial Number Example Gear
 Unit Number Example GB
 Make Model FoodMek :
 Location Component Gearbox
 Job No
 Lubricant Not Given 150

Diagnosis: Silicon & Aluminium suggest Aluminium Silicate (Dirt) Ingress. Chromium suggests wear to chrome plated parts, e.g. bearing / shaft materials. Copper may be wear to brass / bronze materials and bushings, or wear / corrosion of bearing cages. LubeWear metal is significantly higher than ICP wear, suggesting wear particles are large, consistent with an abnormal wear process. **Advice:** At next practical opportunity flush & change oil if not done when sampled. Resample after refill to establish new baseline. Identify sources of contamination ingress such as lubricant storage, machinery operating environment, labelling and top-up and transfer containers.

Sample Details	Test Method	Units	Current Result	Previous #1	Previous #2
Lab No	-	-	OAL1904500	OAL1904400	OAL1904300
Sample Date	-	-	05/07/2018	07/06/2018	04/05/2018
Meter Hrs	-	-	4009	2936	2491
Fluid Hrs	-	-	1998	1503	925
Fluid Added	-	-	0.00	0.00	0.00
Fluid Changed	-	-	No	No	No
Filter Changed	-	-	No	No	No
Brand	-	-	Not Given	Not Given	Not Given
Physical Tests					
Viscosity @ 40°C	ASTMD7279	mm2/s	138	139	141
Condition					
Appearance Fluid	OAL Method	Visual	Bright	Bright	Bright
Oxidation	JOAP	A/cm	17	12	5
Particles					
Appearance Solids	OAL Method	Visual	Metal Particles	Metal Particles	Metal Particles
Contaminants					
Lithium (Li)	ASTMD5185	mg/kg	0	0	1
Lithium (Li)	LubeWear	mg/kg	1	1	1
Potassium (K)	ASTMD5185	mg/kg	1	0	0
Potassium (K)	LubeWear	mg/kg	1	0	0
Silicon (Si)	ASTMD5185	mg/kg	42	48	42
Silicon (Si)	LubeWear	mg/kg	41	44	39
Sodium (Na)	ASTMD5185	mg/kg	9	3	0
Sodium (Na)	LubeWear	mg/kg	8	0	0
Titanium (Ti)	ASTMD5185	mg/kg	0	1	0
Titanium (Ti)	LubeWear	mg/kg	1	1	0
Vanadium (V)	ASTMD5185	mg/kg	1	0	0
Vanadium (V)	LubeWear	mg/kg	1	0	0
Water (dissolved)	ASTMD6304	mg/kg	45	35	20
Water (free)	Crackle & CaH2	%	0.0	0.0	0.0
Wear Metals					
Aluminium	ASTMD5185	mg/kg	27	22	17
Aluminium (Al)	LubeWear	mg/kg	28	25	16
Cadmium (Cd)	ASTMD5185	mg/kg	0	1	1
Cadmium (Cd)	LubeWear	mg/kg	5	4	4
Chromium (Cr)	ASTMD5185	mg/kg	6	5	4
Chromium (Cr)	LubeWear	mg/kg	21	14	13



Lab Address: Unit 5 creamery trade park, Station road, Mochdre, Colwyn bay, LL285EF

Interpreted By Adam Cutler



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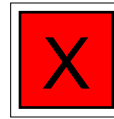
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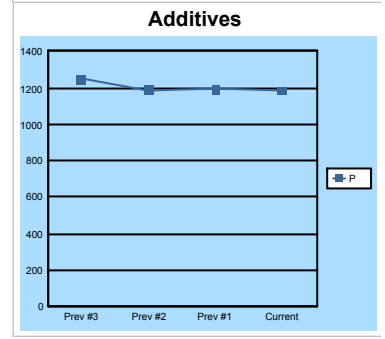
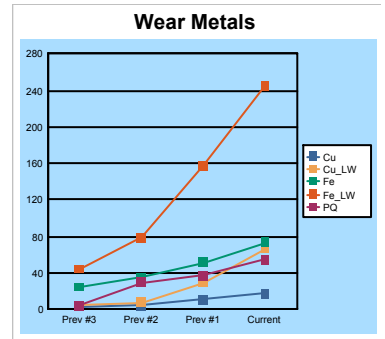


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Wear Metals					
Copper (Cu)	ASTMD5185	mg/kg	17	10	4
Copper (Cu)	LubeWear	mg/kg	66	29	7
Ferrous Debris	ASTMD8120	mg/kg	54	37	29
Iron (Fe)	ASTMD5185	mg/kg	73	51	35
Iron (Fe)	LubeWear	mg/kg	245	157	78
Lead (Pb)	ASTMD5185	mg/kg	3	3	2
Lead (Pb)	LubeWear	mg/kg	2	2	2
Manganese (Mn)	ASTMD5185	mg/kg	2	1	1
Manganese (Mn)	LubeWear	mg/kg	10	8	4
Nickel (Ni)	ASTMD5185	mg/kg	1	0	0
Nickel (Ni)	LubeWear	mg/kg	0	0	0
Silver (Ag)	ASTMD5185	mg/kg	0	0	0
Silver (Ag)	LubeWear	mg/kg	0	0	0
Tin (Sn)	ASTMD5185	mg/kg	2	2	1
Tin (Sn)	LubeWear	mg/kg	2	1	1
Additives					
Barium (Ba)	ASTMD5185	mg/kg	0	0	0
Boron (B)	ASTMD5185	mg/kg	3	2	2
Calcium (Ca)	ASTMD5185	mg/kg	9	8	9
Magnesium (Mg)	ASTMD5185	mg/kg	2	1	1
Molybdenum (Mo)	ASTMD5185	mg/kg	0	1	0
Molybdenum (Mo)	LubeWear	mg/kg	1	0	1
Phosphorus (P)	ASTMD5185	mg/kg	1186	1192	1189
Zinc (Zn)	ASTMD5185	mg/kg	48	52	58



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