



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Area
{UNASSIGNED}
Machine Id
MB1 (S/N 0000)
Component
Assembly
Fluid
{not provided} (--- GAL)

RECOMMENDATION

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. We advise that you check all areas where contaminants can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

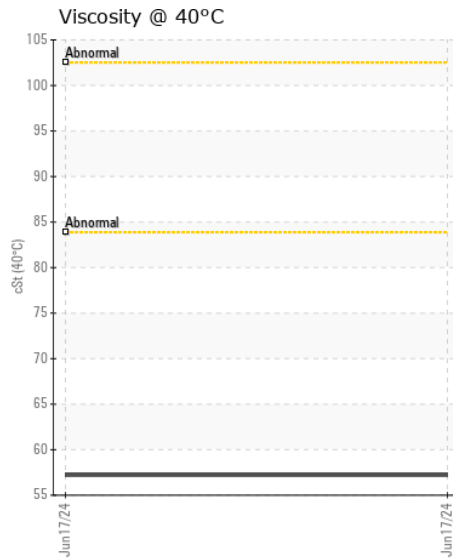
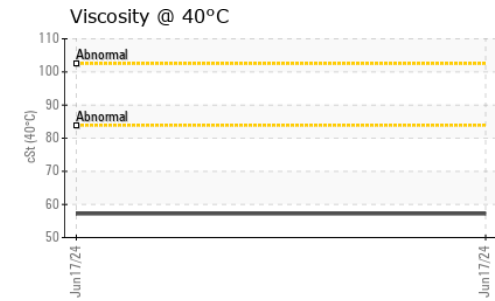
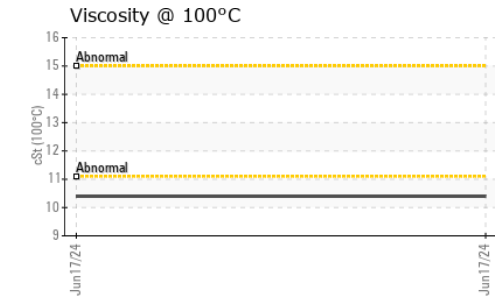
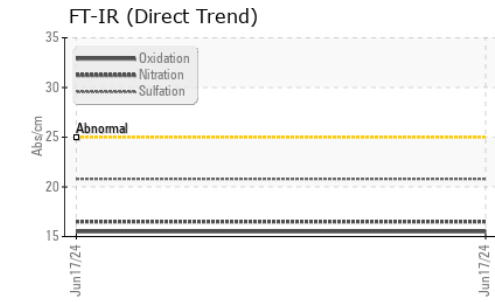
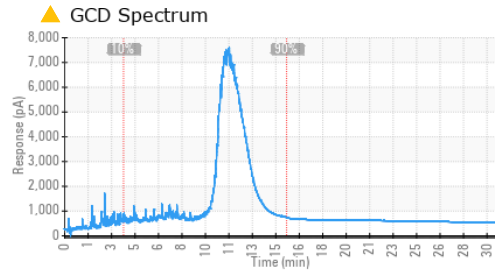
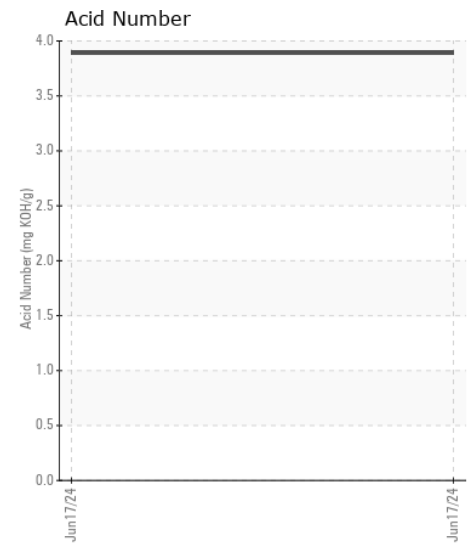
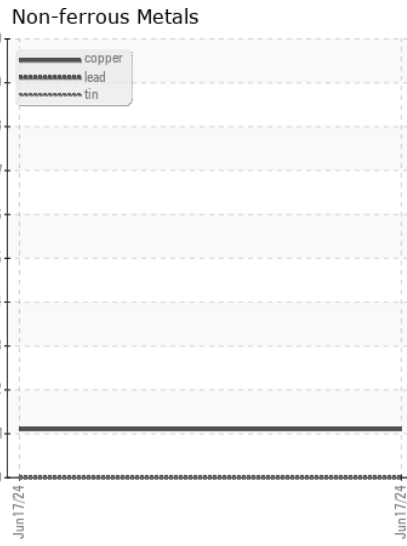
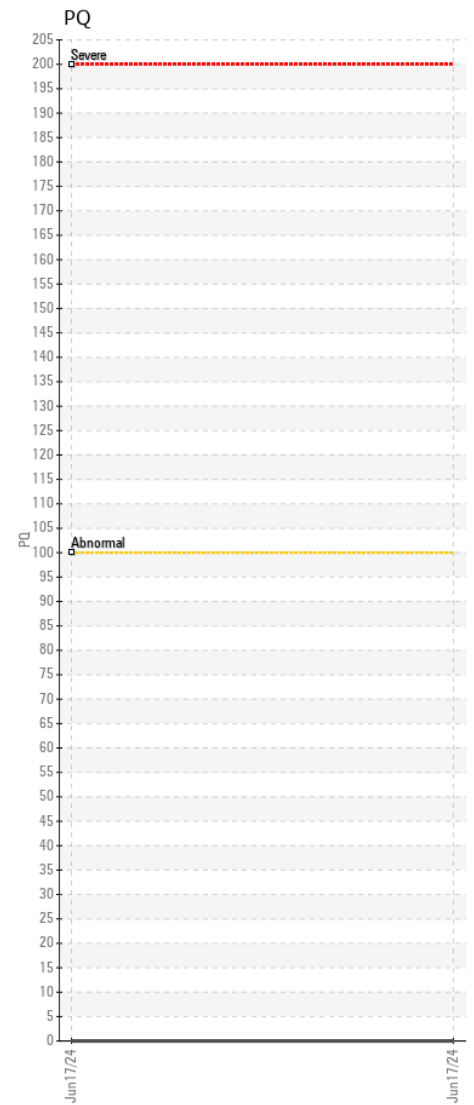
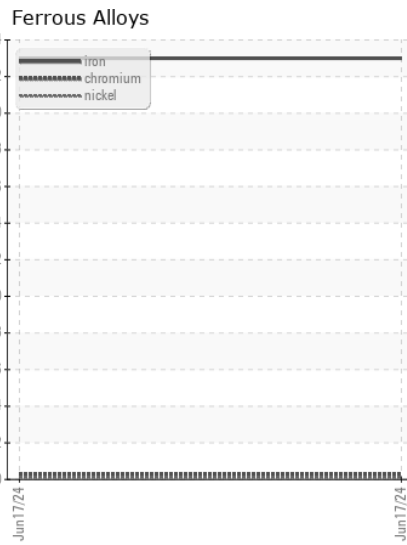
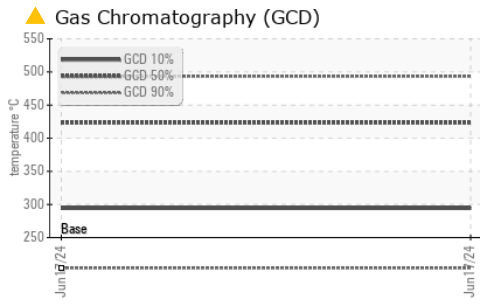
CONTAMINATION

The odor of the sample indicates contamination with a solvent. Gas Chromatography indicates the presence of a low boiling point products present in the sample.

FLUID CONDITION

Viscosity of sample indicates oil is within SAE 0W30 range, advise investigate. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CB0031829	---	---
Sample Date		Client Info		17 Jun 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
PQ		ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)		23	---	---
Chromium	ppm	ASTM D5185(m)		<1	---	---
Nickel	ppm	ASTM D5185(m)		<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)		4	---	---
Lead	ppm	ASTM D5185(m)		0	---	---
Copper	ppm	ASTM D5185(m)		1	---	---
Tin	ppm	ASTM D5185(m)		0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)		8	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		16.5	---	---
Sulfation	Abs/.1mm	ASTM D7415*		20.8	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*		NEG	---	---
Sodium	ppm	ASTM D5185(m)		4	---	---
Boron	ppm	ASTM D5185(m)		54	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		53	---	---
Manganese	ppm	ASTM D5185(m)		3	---	---
Magnesium	ppm	ASTM D5185(m)		769	---	---
Calcium	ppm	ASTM D5185(m)		1374	---	---
Phosphorus	ppm	ASTM D5185(m)		770	---	---
Zinc	ppm	ASTM D5185(m)		859	---	---
Sulfur	ppm	ASTM D5185(m)		1804	---	---
Oxidation	Abs/.1mm	ASTM D7414*		15.5	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		3.89	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		57.2	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		10.4	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		173	---	---
(GCD) % < 335°C	°C	ASTM D2887*		13.29	---	---
(GCD) Initial Boiling Point	°C	ASTM D2887*	122	139.9	---	---
(GCD) 5% Distillation Point	°C	ASTM D2887*		228.6	---	---
(GCD) 10% Distillation Point	°C	ASTM D2887*	157	294.2	---	---
(GCD) 20% Distillation Point	°C	ASTM D2887*		391.8	---	---
(GCD) 30% Distillation Point	°C	ASTM D2887*		406.3	---	---
(GCD) 40% Distillation Point	°C	ASTM D2887*		415.0	---	---
(GCD) 50% Distillation Point	°C	ASTM D2887*	204	423.3	---	---
(GCD) 60% Distillation Point	°C	ASTM D2887*		432.3	---	---
(GCD) 70% Distillation Point	°C	ASTM D2887*		443.0	---	---
(GCD) 80% Distillation Point	°C	ASTM D2887*		457.5	---	---
(GCD) 90% Distillation Point	°C	ASTM D2887*		493.3	---	---
(GCD) FBP% Distillation Point	°C	ASTM D2887*	322	587.9	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CB0031829 **Received** : 18 Jun 2024
Lab Number : 02642570 **Tested** : 25 Jun 2024
Unique Number : 5800109 **Diagnosed** : 25 Jun 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: FT-IR, GCD, KV100, TAN Man, VI)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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