



WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	ATTENTION

Machine Id
4384L
Component
Diesel Engine
Fluid
MOBIL 15W40 (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

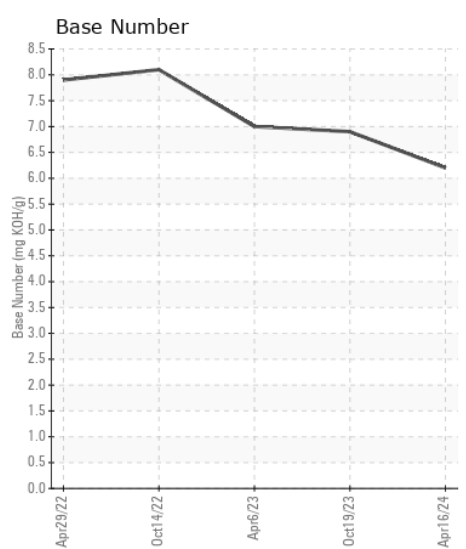
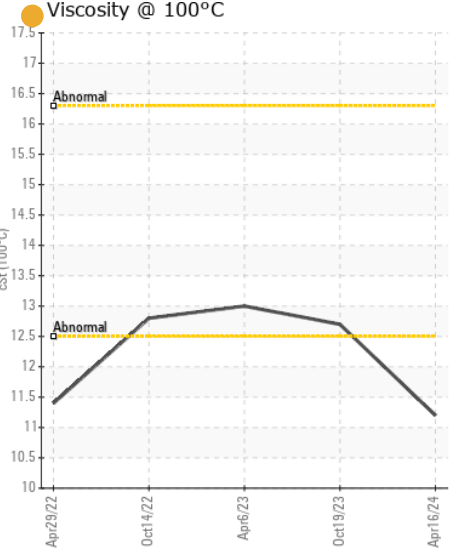
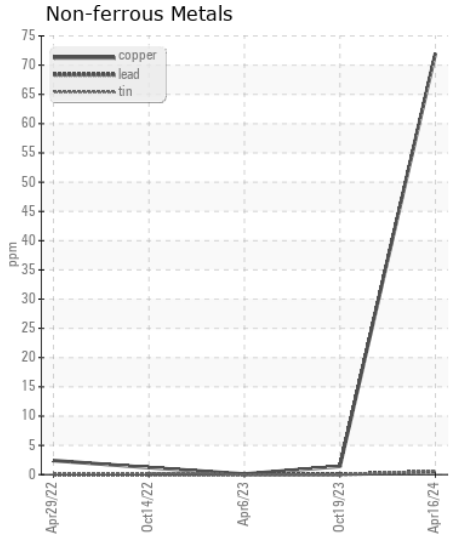
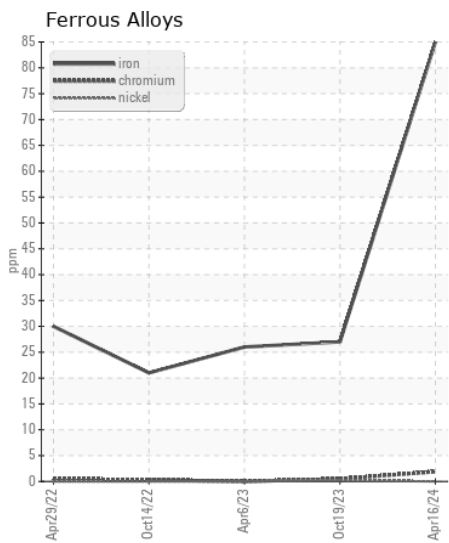
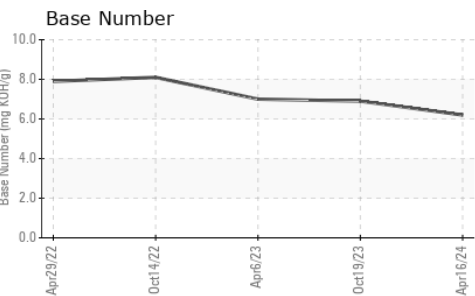
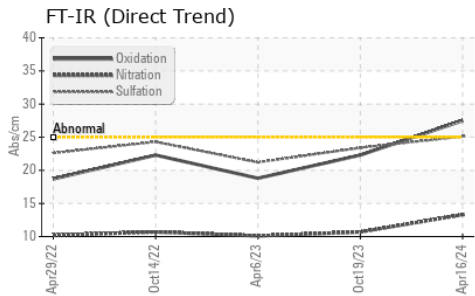
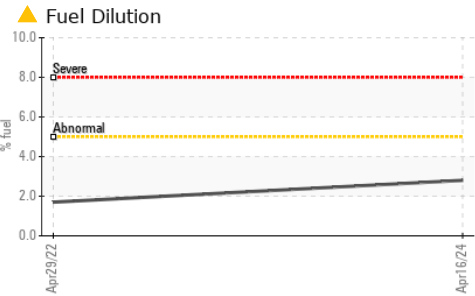
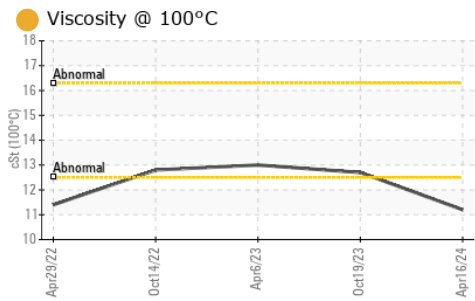
CONTAMINATION

Light fuel dilution occurring. No other contaminants were detected in the oil.

FLUID CONDITION

Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0034600	IL0032356	IL0030089
Sample Date		Client Info		16 Apr 2024	19 Oct 2023	06 Apr 2023
Machine Age	mls	Client Info		114428	99214	82479
Oil Age	mls	Client Info		15000	20000	13031
Filter Age	mls	Client Info		15000	20000	13031
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	85	27	26
Chromium	ppm	ASTM D5185m	>20	2	<1	0
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	9	5	13
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	72	1	<1
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	23	7	6
Potassium	ppm	ASTM D5185m	>20	15	8	6
Fuel	%	ASTM D3524	>5	▲ 2.8	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.8	0.4	0.5
Nitration	Abs/cm	*ASTM D7624	>20	13.3	10.7	10.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.1	23.4	21.2
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>118	6	0	1
Boron	ppm	ASTM D5185m		30	0	3
Barium	ppm	ASTM D5185m		1	4	0
Molybdenum	ppm	ASTM D5185m		46	65	57
Manganese	ppm	ASTM D5185m		5	<1	<1
Magnesium	ppm	ASTM D5185m		779	953	915
Calcium	ppm	ASTM D5185m		1162	1111	1141
Phosphorus	ppm	ASTM D5185m		666	940	939
Zinc	ppm	ASTM D5185m		831	1258	1229
Sulfur	ppm	ASTM D5185m		2411	3329	3160
Oxidation	Abs/.1mm	*ASTM D7414	>25	27.5	22.3	18.8
Base Number (BN)	mg KOH/g	ASTM D2896		6.2	6.9	7.0
Visc @ 100°C	cSt	ASTM D445		● 11.2	12.7	13.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL0034600
Lab Number : 06175162
Unique Number : 11021215
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)