



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
INTERNATIONAL 242201
Component
Diesel Engine
Fluid
MOBIL 15W40 (20 QTS)

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.

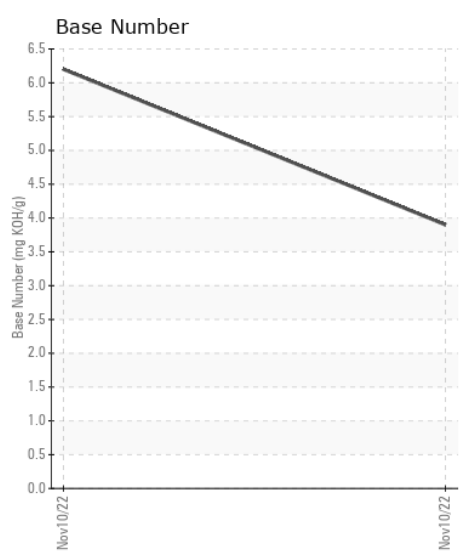
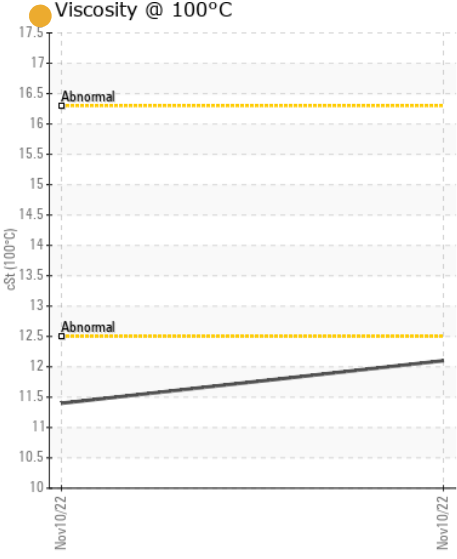
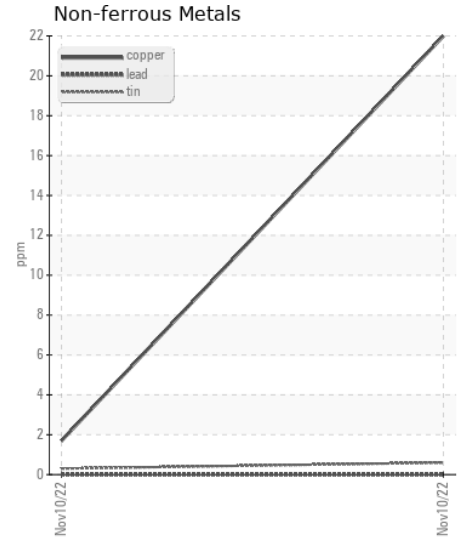
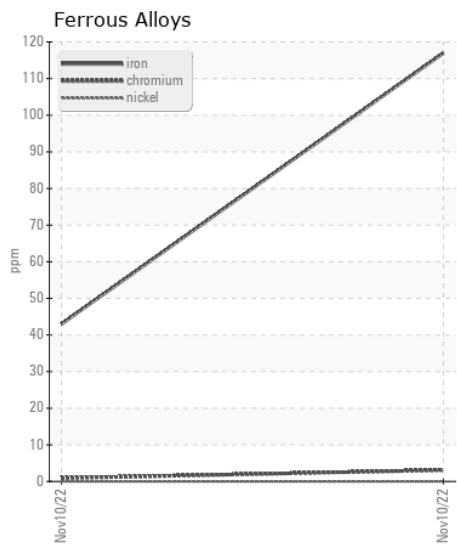
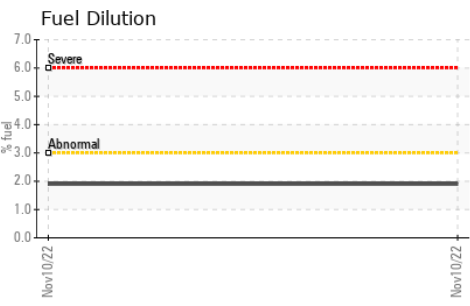
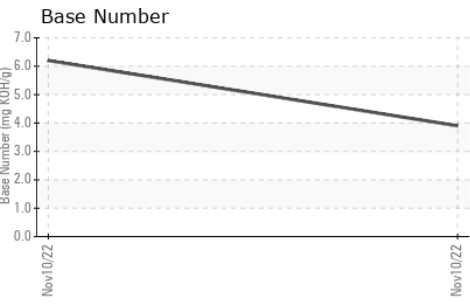
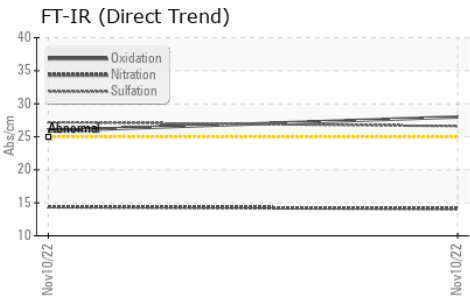
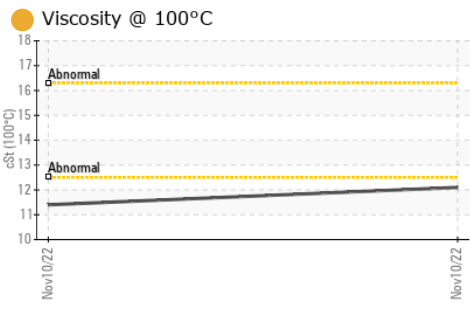
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0028737	IL0028737	---
Sample Date		Client Info		10 Nov 2022	10 Nov 2022	---
Machine Age	mls	Client Info		15828	15828	---
Oil Age	mls	Client Info		15828	15828	---
Filter Age	mls	Client Info		15828	15828	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ATTENTION	ATTENTION	---
Iron	ppm	ASTM D5185m	>90	43	117	---
Chromium	ppm	ASTM D5185m	>20	<1	3	---
Nickel	ppm	ASTM D5185m	>2	0	0	---
Titanium	ppm	ASTM D5185m	>2	0	<1	---
Silver	ppm	ASTM D5185m	>2	<1	0	---
Aluminum	ppm	ASTM D5185m	>20	7	49	---
Lead	ppm	ASTM D5185m	>40	0	0	---
Copper	ppm	ASTM D5185m	>330	2	22	---
Tin	ppm	ASTM D5185m	>15	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>25	8	25	---
Potassium	ppm	ASTM D5185m	>20	3	175	---
Fuel	%	ASTM D3524	>3.0	<1.0	▲ 1.9	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>6	0.6	0.9	---
Nitration	Abs/cm	*ASTM D7624	>20	14.1	14.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.6	27.2	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185m	>118	3	5	---
Boron	ppm	ASTM D5185m		46	21	---
Barium	ppm	ASTM D5185m		0	<1	---
Molybdenum	ppm	ASTM D5185m		122	49	---
Manganese	ppm	ASTM D5185m		<1	6	---
Magnesium	ppm	ASTM D5185m		690	740	---
Calcium	ppm	ASTM D5185m		1563	1246	---
Phosphorus	ppm	ASTM D5185m		812	658	---
Zinc	ppm	ASTM D5185m		937	892	---
Sulfur	ppm	ASTM D5185m		3410	2693	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	28.0	25.9	---
Base Number (BN)	mg KOH/g	ASTM D2896		3.9	6.2	---
Visc @ 100°C	cSt	ASTM D445		● 12.1	● 11.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL0028737
Lab Number : 06188797
Unique Number : 11045549
Test Package : FLEET (Additional Tests: FuelDilution)

RUSH TRUCK LEASING - DAYTON IDEALEASE
 7655 POE AVE
 DAYTON, OH
 US 45414

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)

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