



WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Machine Id
61962
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0025735	IL0029856	IL0019183
Sample Date		Client Info		22 May 2024	13 Mar 2023	29 Aug 2022
Machine Age	mls	Client Info		4937	0	0
Oil Age	mls	Client Info		0	0	0
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				MARGINAL	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>100	34	93	97
Chromium	ppm	ASTM D5185m	>20	<1	1	2
Nickel	ppm	ASTM D5185m	>4	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	<1	0	<1
Aluminum	ppm	ASTM D5185m	>20	7	9	11
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	1	3	5
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

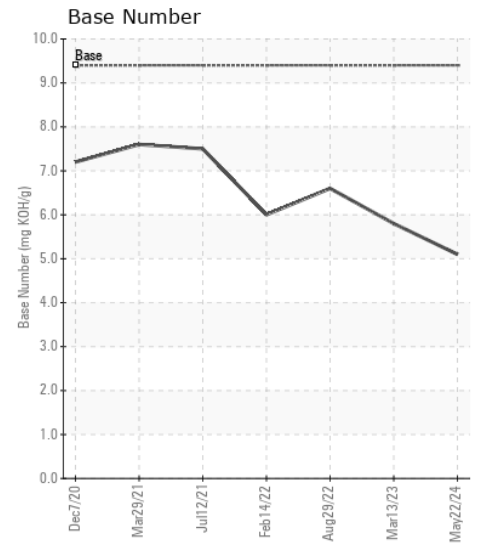
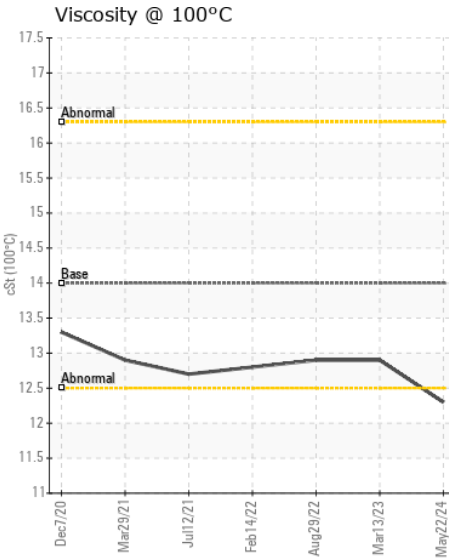
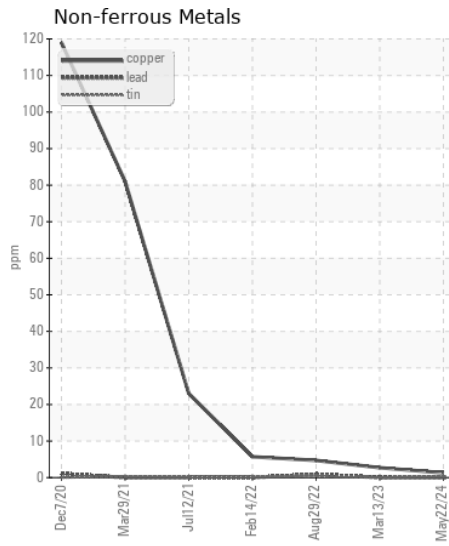
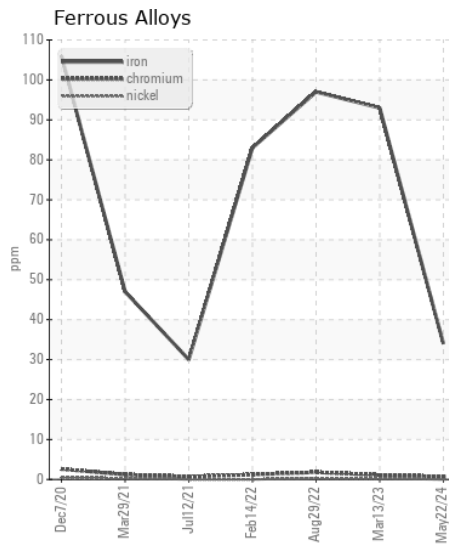
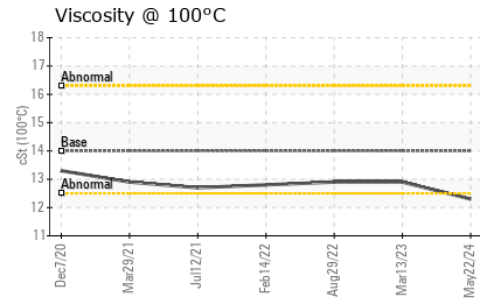
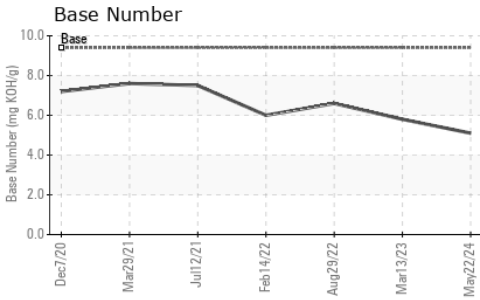
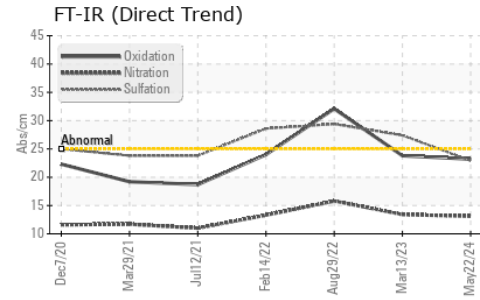
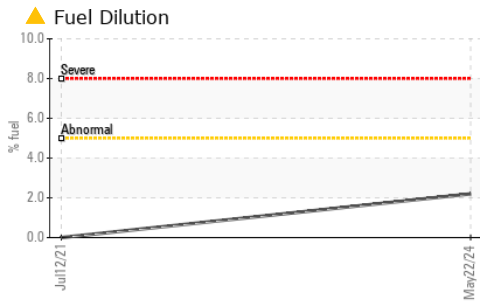
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185m	>25	6	7	9
Potassium	ppm	ASTM D5185m	>20	3	10	11
Fuel	%	ASTM D3524	>5	▲ 2.2	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.5	0.9	0.9
Nitration	Abs/cm	*ASTM D7624	>20	13.1	13.4	15.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9	27.4	29.4
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

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		2	0	5
Boron	ppm	ASTM D5185m	0	58	31	20
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	104	18	39
Manganese	ppm	ASTM D5185m		<1	1	2
Magnesium	ppm	ASTM D5185m	0	637	649	521
Calcium	ppm	ASTM D5185m		1540	1399	1657
Phosphorus	ppm	ASTM D5185m		720	687	658
Zinc	ppm	ASTM D5185m		898	853	896
Sulfur	ppm	ASTM D5185m		3373	2833	2686
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.2	23.8	32.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	5.1	5.8	6.6
Visc @ 100°C	cSt	ASTM D445	14	12.3	12.9	12.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL0025735
Lab Number : 06188787
Unique Number : 11045539
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

Received : 23 May 2024
Tested : 28 May 2024
Diagnosed : 28 May 2024 - Wes Davis

RUSH TRUCK LEASING - SPRINGFIELD IDEALEASE
 3441 GATLIN DR
 SPRINGFIELD, IL
 US 62707

Contact: TODD CRUMPLER
 crumplerc@rushenterprises.com

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)

T: (217)718-2341

F: