



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
61965
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0025734	IL0019270	IL0015967
Sample Date		Client Info		22 May 2024	01 Nov 2021	21 Jun 2021
Machine Age	mls	Client Info		4929	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				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	33	27	33
Chromium	ppm	ASTM D5185m	>20	<1	1	1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	11	44	▲ 62
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	2	10	60
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

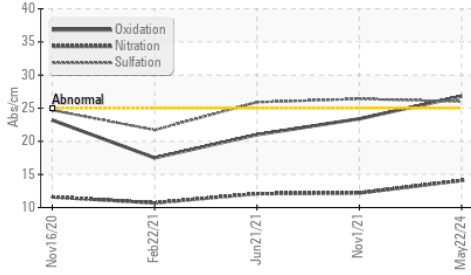
Silicon	ppm	ASTM D5185m	>25	6	7	10
Potassium	ppm	ASTM D5185m	>20	8	75	▲ 114
Fuel	%	ASTM D3524	>5	<1.0	<1.0	1.6
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.4	0.3	0.4
Nitration	Abs/cm	*ASTM D7624	>20	14.1	12.2	12.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.0	26.4	25.9
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

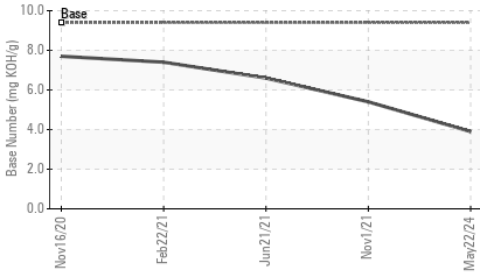
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		3	3	3
Boron	ppm	ASTM D5185m	0	45	27	89
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	121	14	14
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m	0	699	608	654
Calcium	ppm	ASTM D5185m		1590	1339	1343
Phosphorus	ppm	ASTM D5185m		806	657	696
Zinc	ppm	ASTM D5185m		945	809	849
Sulfur	ppm	ASTM D5185m		3433	2484	2545
Oxidation	Abs/.1mm	*ASTM D7414	>25	26.8	23.4	21
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	3.9	5.4	6.6
Visc @ 100°C	cSt	ASTM D445	14	12.4	12.9	● 12.3

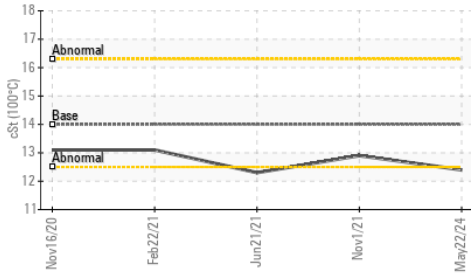
FT-IR (Direct Trend)



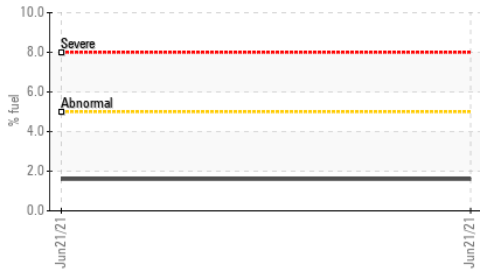
Base Number



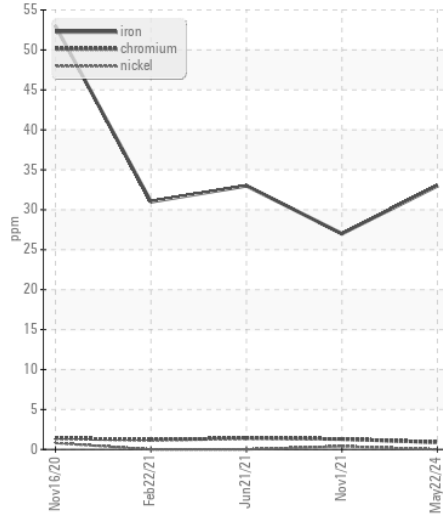
Viscosity @ 100°C



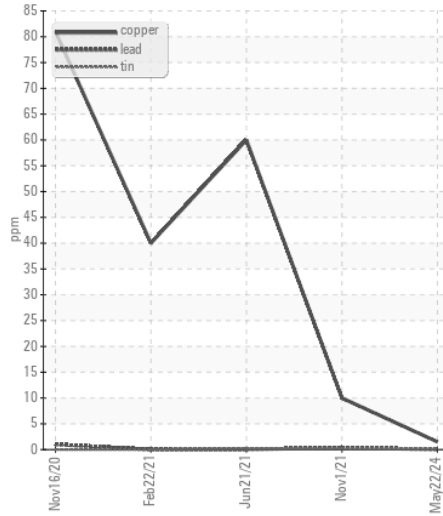
Fuel Dilution



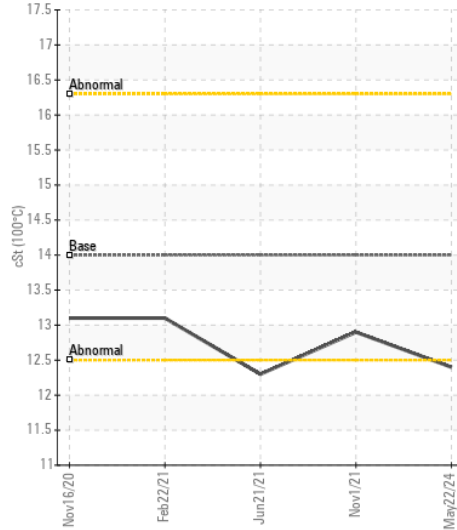
Ferrous Alloys



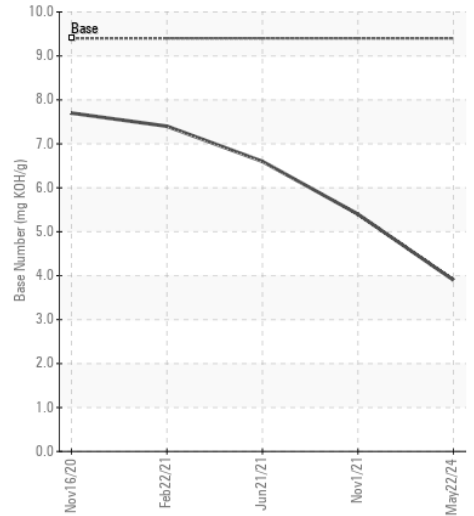
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : IL0025734

Lab Number : 06188791

Unique Number : 11045543

Test Package : FLEET (Additional Tests: FuelDilution)

Received : 23 May 2024

Tested : 28 May 2024

Diagnosed : 28 May 2024 - Jonathan Hester

RUSH TRUCK LEASING - SPRINGFIELD IDEALEASE

3441 GATLIN DR

SPRINGFIELD, IL

US 62707

Contact: TODD CRUMPLER

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F:

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)