



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
INTERNATIONAL I4360
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (32 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0035585	IL04789467	ILMFC27542
Sample Date		Client Info		09 Apr 2024	01 Sep 2019	15 Feb 2019
Machine Age	mls	Client Info		58568	47145	43968
Oil Age	mls	Client Info		0	0	4973
Filter Age	mls	Client Info		0	0	4973
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>100	68	114	288
Chromium	ppm	ASTM D5185m	>20	2	3	6
Nickel	ppm	ASTM D5185m	>4	0	3	7
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	48	▲ 76	▲ 129
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	4	6	8
Tin	ppm	ASTM D5185m	>15	0	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

CONTAMINATION

There is no indication of any contamination in the oil.

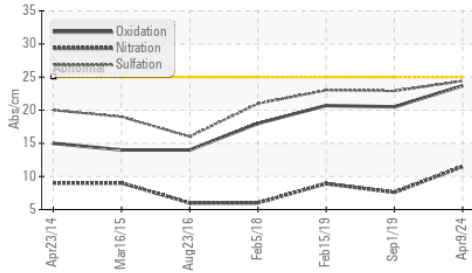
Silicon	ppm	ASTM D5185m	>25	11	10	17
Potassium	ppm	ASTM D5185m	>20	5	6	12
Fuel		WC Method	>2.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.8	0.7	0.9
Nitration	Abs/cm	*ASTM D7624	>20	11.5	7.6	8.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.4	22.9	23
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

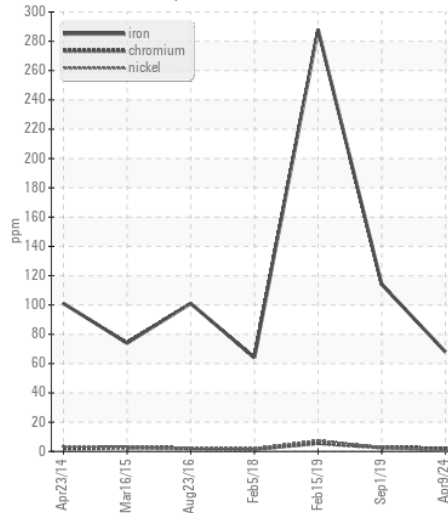
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		2	7	6
Boron	ppm	ASTM D5185m	0	53	52	50
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	101	43	49
Manganese	ppm	ASTM D5185m		1	2	3
Magnesium	ppm	ASTM D5185m	0	698	472	514
Calcium	ppm	ASTM D5185m		1497	1623	1692
Phosphorus	ppm	ASTM D5185m		809	701	775
Zinc	ppm	ASTM D5185m		949	817	868
Sulfur	ppm	ASTM D5185m		3133	2236	2124
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.7	20.5	20.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	6.9	11	11.3
Visc @ 100°C	cSt	ASTM D445	14	13.2	12.8	13.05

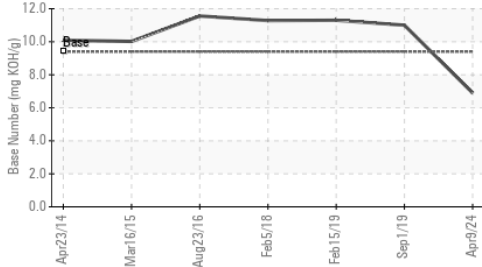
FT-IR (Direct Trend)



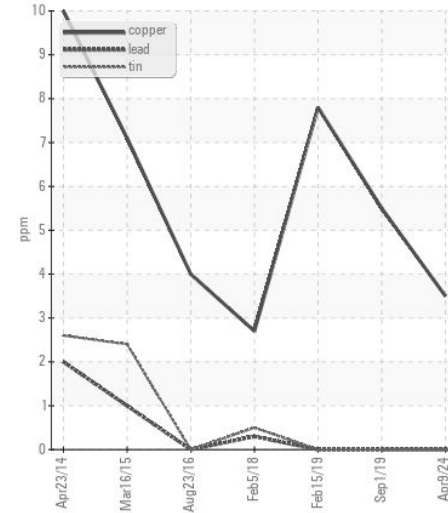
Ferrous Alloys



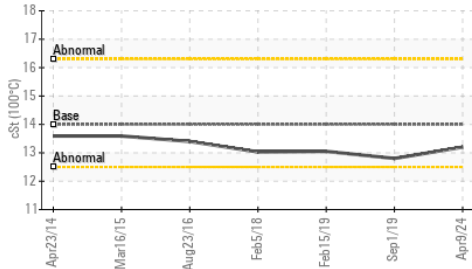
Base Number



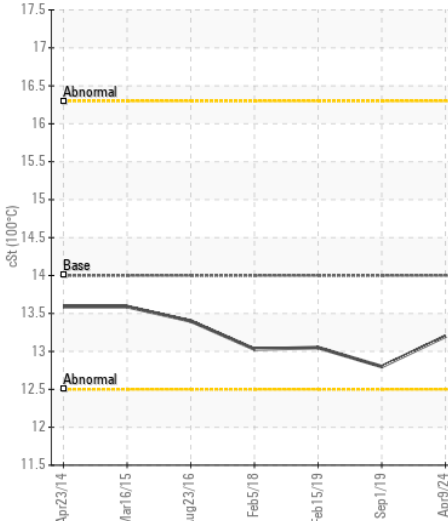
Non-ferrous Metals



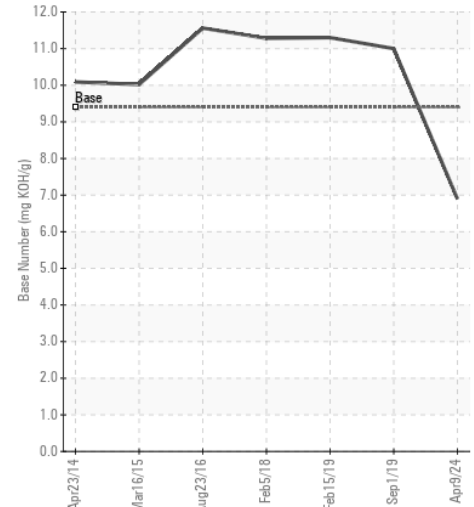
Viscosity @ 100°C



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL0035585
Lab Number : 06158795
Unique Number : 10994218
Test Package : FLEET

Received : 24 Apr 2024
Tested : 25 Apr 2024
Diagnosed : 25 Apr 2024 - Wes Davis

RUSH TRUCK LEASING - SALT LAKE CITY IDEALEASE
 964 SOUTH 3800 WEST, BLDG B
 SALT LAKE CITY, UT
 US 84104
 Contact: DEBBIE ANDERSON

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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