OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	ABNORMAL

Machine Id
FORD 8464943
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER 15W40 (14 QTS)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

Metal levels are typical for a new component breaking in.

CONTAMINATION

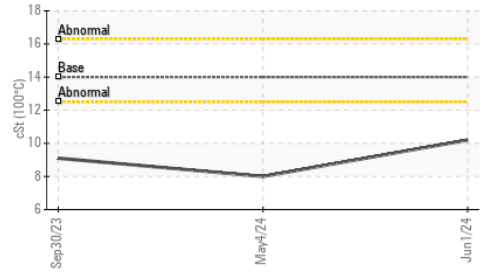
Light fuel dilution occurring.

FLUID CONDITION

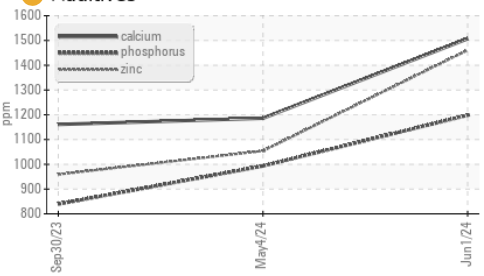
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0021005	RPL0020448	RPL0015497
Sample Date		Client Info		01 Jun 2024	04 May 2024	30 Sep 2023
Machine Age	mls	Client Info		20339	18594	7577
Oil Age	mls	Client Info		6347	11017	7577
Filter Age	mls	Client Info		6347	11017	7577
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	SEVERE	SEVERE
Iron	ppm	ASTM D5185m	>100	10	42	60
Chromium	ppm	ASTM D5185m	>20	<1	3	3
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	<1	3	13
Aluminum	ppm	ASTM D5185m	>25	1	3	4
Lead	ppm	ASTM D5185m	>40	0	<1	1
Copper	ppm	ASTM D5185m	>330	1	11	61
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	7	11	29
Potassium	ppm	ASTM D5185m	>20	3	5	4
Fuel	%	ASTM D3524	>5	▲ 4.9	▲ 16.0	▲ 11.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.1	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	6.7	9.4	9.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.3	24.4	23.8
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		<1	4	11
Boron	ppm	ASTM D5185m	0	76	15	33
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	3	2
Manganese	ppm	ASTM D5185m		1	4	10
Magnesium	ppm	ASTM D5185m	0	● 856	645	593
Calcium	ppm	ASTM D5185m		1507	1186	1161
Phosphorus	ppm	ASTM D5185m		● 1198	993	839
Zinc	ppm	ASTM D5185m		● 1461	1054	959
Sulfur	ppm	ASTM D5185m		● 5152	3308	2747
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.0	19.7	19.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	8.0	5.4	5.5
Visc @ 100°C	cSt	ASTM D445	14	▲ 10.2	▲ 8.0	▲ 9.1

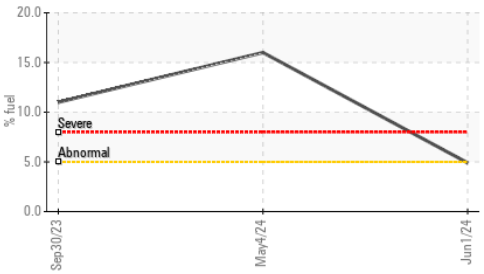
Viscosity @ 100°C



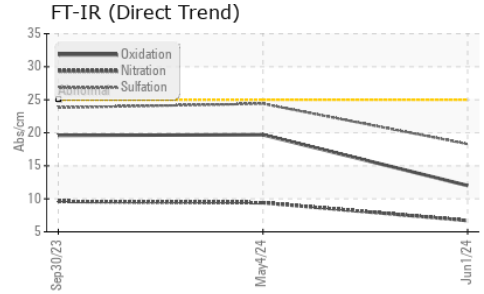
Additives



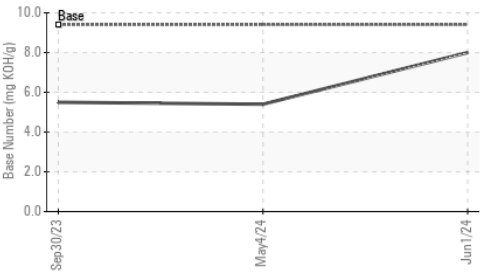
Fuel Dilution



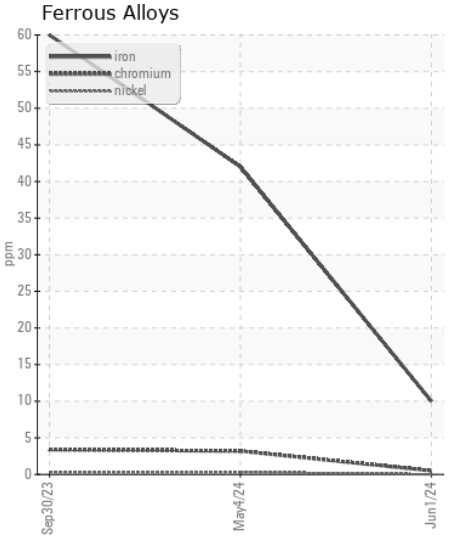
FT-IR (Direct Trend)



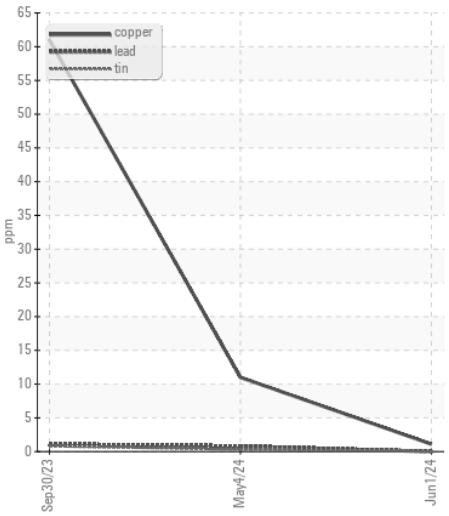
Base Number



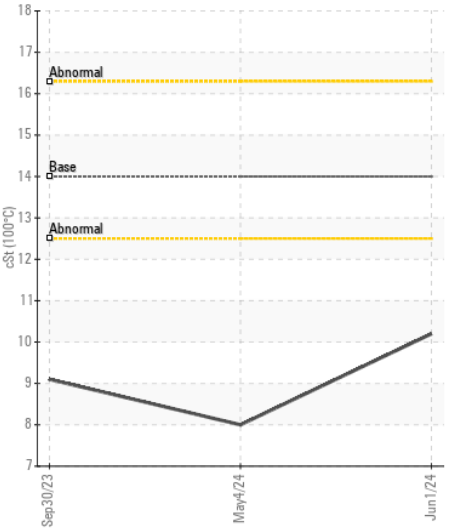
Ferrous Alloys



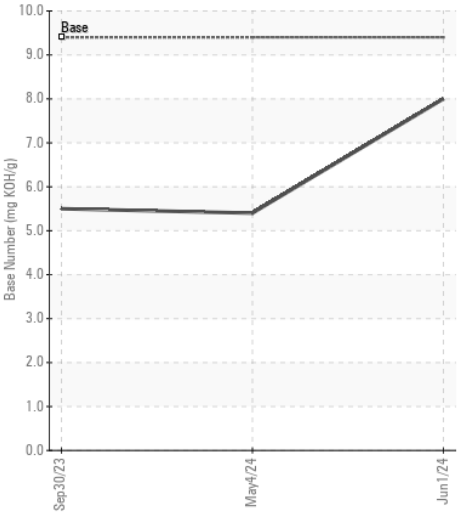
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0021005
Lab Number : 06213159
Unique Number : 11086023
Test Package : FLEET (Additional Tests: PercentFuel)

Received : 18 Jun 2024
Tested : 20 Jun 2024
Diagnosed : 20 Jun 2024 - Wes Davis

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)

RTL PACLEASE - 7006 - Pico Rivera
7837 Telegraph Rd
Pico Rivera, CA
US 90660
Contact: GERARDO CARROLA
carrolag@rushenterprises.com
T:
F: