FLEET LUBE 360™ OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
912083
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (10 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

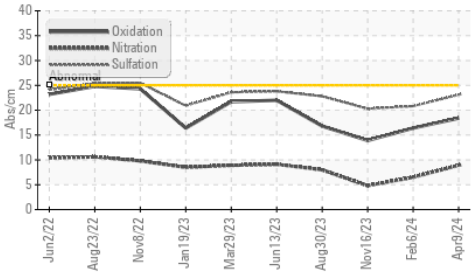
There is no indication of any contamination in the oil.

FLUID CONDITION

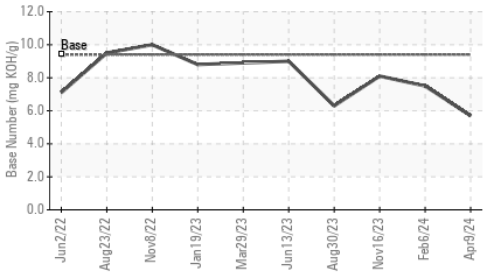
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0110805	GFL0088461	GFL0073224
Sample Date		Client Info		09 Apr 2024	06 Feb 2024	16 Nov 2023
Machine Age	hrs	Client Info		5957	5384	4842
Oil Age	hrs	Client Info		600	600	650
Filter Age	hrs	Client Info		600	600	650
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>120	10	5	<1
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>5	0	1	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	<1	2	2
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	0	1	<1
Tin	ppm	ASTM D5185m	>15	<1	<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	3	4	5
Potassium	ppm	ASTM D5185m	>20	7	8	1
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>4	0.6	0.3	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.9	6.5	4.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.1	20.8	20.3
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	0	<1
Boron	ppm	ASTM D5185m	0	85	162	471
Barium	ppm	ASTM D5185m	0	0	13	0
Molybdenum	ppm	ASTM D5185m	0	0	4	79
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	23	21	383
Calcium	ppm	ASTM D5185m		2206	1855	1381
Phosphorus	ppm	ASTM D5185m		896	881	1082
Zinc	ppm	ASTM D5185m		1119	1058	1300
Sulfur	ppm	ASTM D5185m		3226	3308	3393
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.4	16.4	13.9
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	5.7	7.5	8.1
Visc @ 100°C	cSt	ASTM D445	14	14.6	14.8	14.3

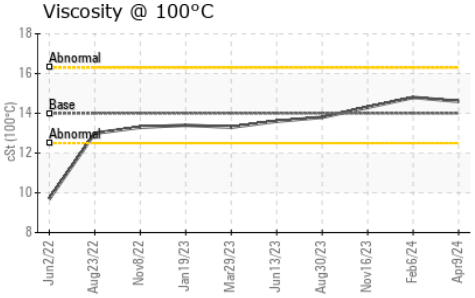
FT-IR (Direct Trend)



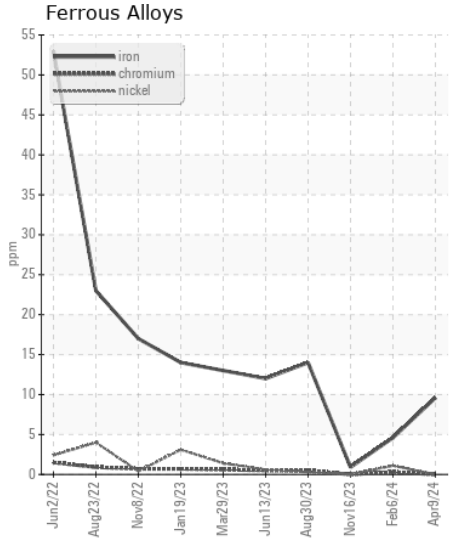
Base Number



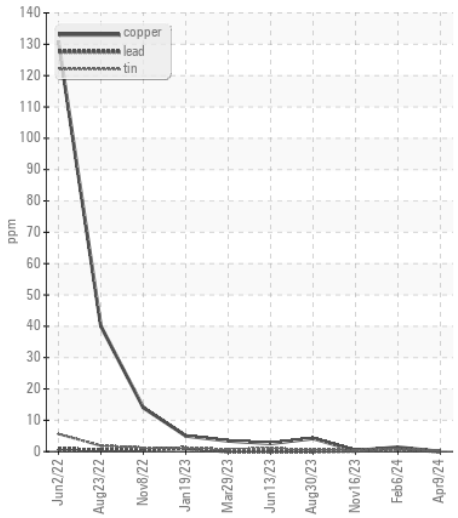
Viscosity @ 100°C



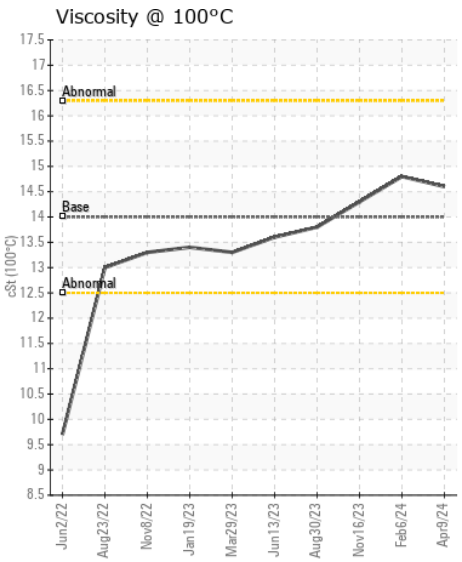
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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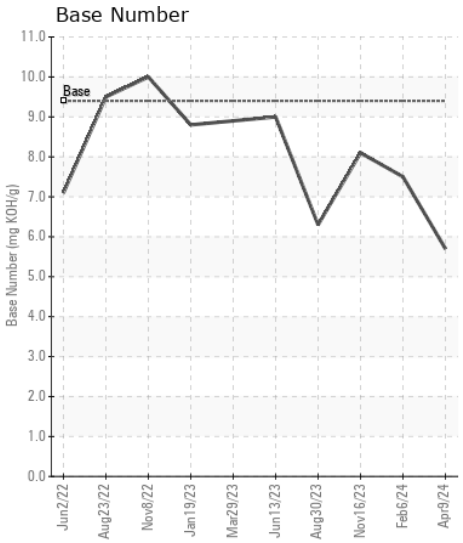

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0110805
Lab Number : 06148215
Unique Number : 10978293
Test Package : FLEET

Received : 15 Apr 2024
Tested : 16 Apr 2024
Diagnosed : 16 Apr 2024 - Sean Felton

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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Report Id: GFL146 [WUSCAR] 06148215 (Generated: 04/16/2024 16:16:46) Rev: 1

Submitted By: CHRISTOPHER FARRER