FLEET LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(EJQ361)
Machine Id
728008
Component
Diesel Engine
Fluid
{not provided} (12 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

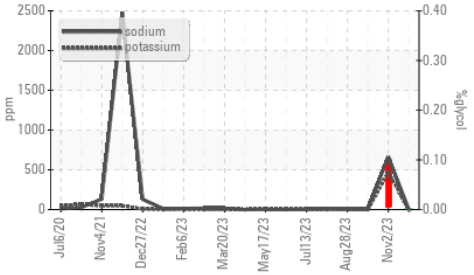
Test for glycol is negative. There is no indication of any contamination in the oil.

FLUID CONDITION

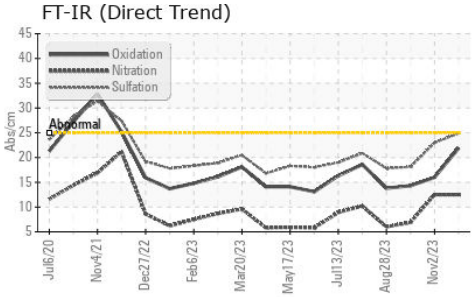
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0111512	GFL0083065	GFL0069114
Sample Date		Client Info		10 Apr 2024	02 Nov 2023	27 Sep 2023
Machine Age	hrs	Client Info		0	9906	11477
Oil Age	hrs	Client Info		0	0	205
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	SEVERE	NORMAL
Iron	ppm	ASTM D5185m	>100	44	▲ 128	16
Chromium	ppm	ASTM D5185m	>20	2	2	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	14	4
Lead	ppm	ASTM D5185m	>40	3	0	0
Copper	ppm	ASTM D5185m	>330	51	4	<1
Tin	ppm	ASTM D5185m	>15	<1	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
Silicon	ppm	ASTM D5185m	>25	14	12	5
Potassium	ppm	ASTM D5185m	>20	1	▲ 470	2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	*ASTM D2982		0.0	▲ 0.10	NEG
Soot %	%	*ASTM D7844	>3	1.5	1.8	0.2
Nitration	Abs/cm	*ASTM D7624	>20	12.5	12.5	6.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.9	23.0	18.1
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		4	▲ 663	2
Boron	ppm	ASTM D5185m		10	16	1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		56	118	67
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		789	749	972
Calcium	ppm	ASTM D5185m		1249	1008	1089
Phosphorus	ppm	ASTM D5185m		858	825	1105
Zinc	ppm	ASTM D5185m		1067	1074	1341
Sulfur	ppm	ASTM D5185m		2378	2659	3909
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.9	16.0	14.3
Base Number (BN)	mg KOH/g	ASTM D2896		5.1	9.5	8.2
Visc @ 100°C	cSt	ASTM D445		13.9	12.6	12.6

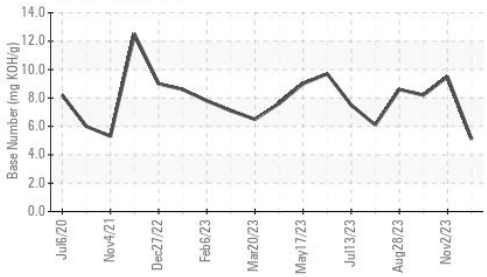
Glycol Contamination



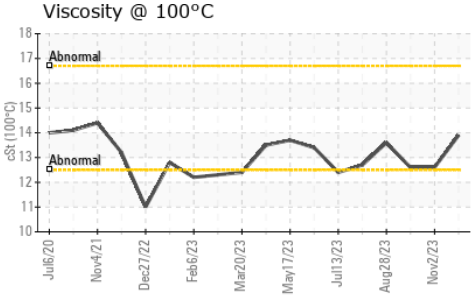
FT-IR (Direct Trend)



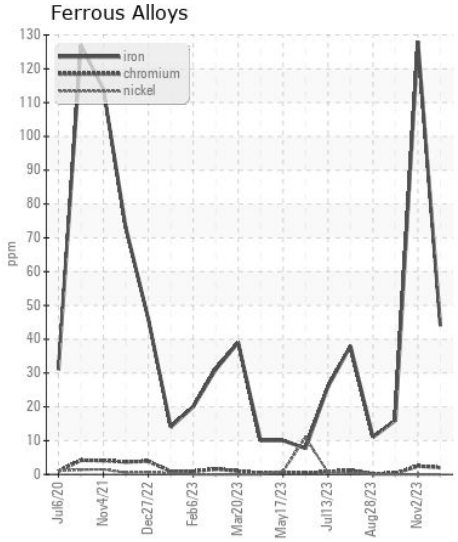
Base Number



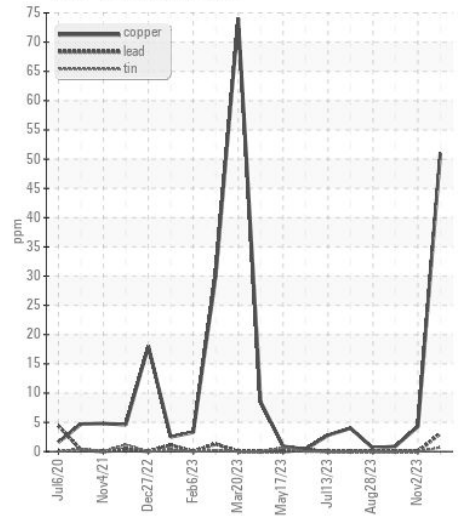
Viscosity @ 100°C



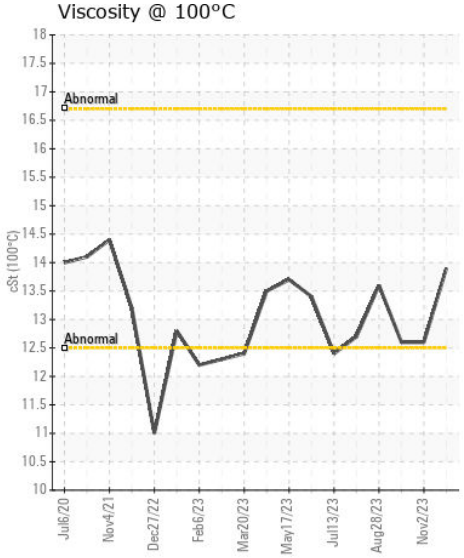
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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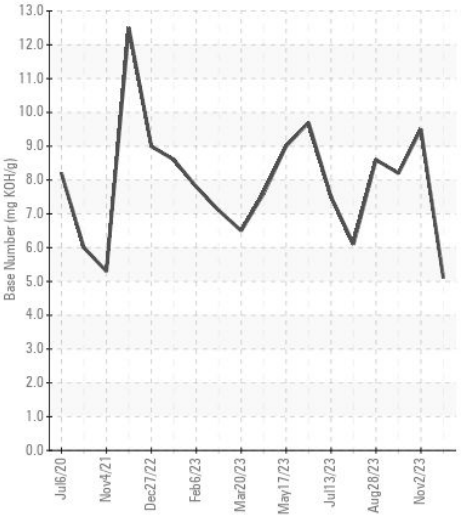

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0111512
Lab Number : 06148217
Unique Number : 10978295
Test Package : FLEET

Received : 15 Apr 2024
Tested : 17 Apr 2024
Diagnosed : 17 Apr 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)

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