FLEET LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
10533
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 15W40 (11 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

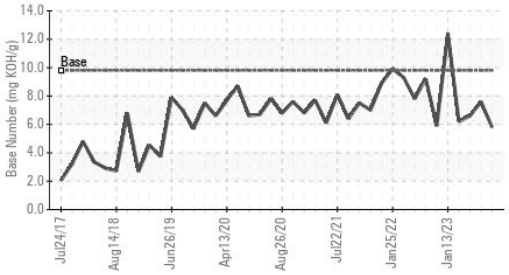
There is no indication of any contamination in the oil.

FLUID CONDITION

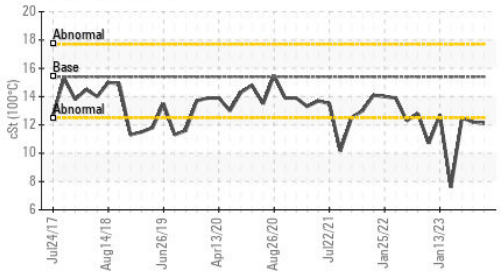
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0074617	GFL0074599	GFL0074586
Sample Date		Client Info		11 Jan 2024	09 May 2023	21 Apr 2023
Machine Age	hrs	Client Info		14789	13673	13480
Oil Age	hrs	Client Info		565	18166	18166
Filter Age	hrs	Client Info		565	18166	18166
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	MARGINAL	MARGINAL
Iron	ppm	ASTM D5185m	>100	37	14	12
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	0	0	0
Aluminum	ppm	ASTM D5185m	>20	6	2	2
Lead	ppm	ASTM D5185m	>40	1	<1	0
Copper	ppm	ASTM D5185m	>330	5	0	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	10	6	6
Potassium	ppm	ASTM D5185m	>20	3	6	1
Fuel		WC Method	>5	<1.0	▲ 4.2	▲ 3.5
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.4	0.5	0.4
Nitration	Abs/cm	*ASTM D7624	>20	11.5	9.2	7.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.0	20.1	17.3
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		7	17	14
Boron	ppm	ASTM D5185m	0	32	7	8
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	87	62	61
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	674	887	858
Calcium	ppm	ASTM D5185m	1070	1249	1031	991
Phosphorus	ppm	ASTM D5185m	1150	826	970	931
Zinc	ppm	ASTM D5185m	1270	949	1205	1148
Sulfur	ppm	ASTM D5185m	2060	2610	3275	3263
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.3	16.5	14.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	5.8	7.6	6.6
Visc @ 100°C	cSt	ASTM D445	15.4	12.1	12.2	12.5

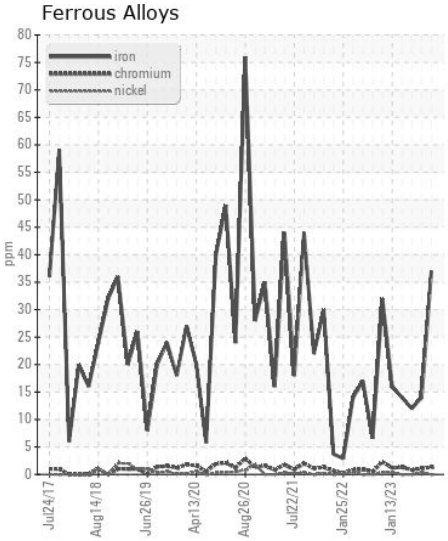
Base Number



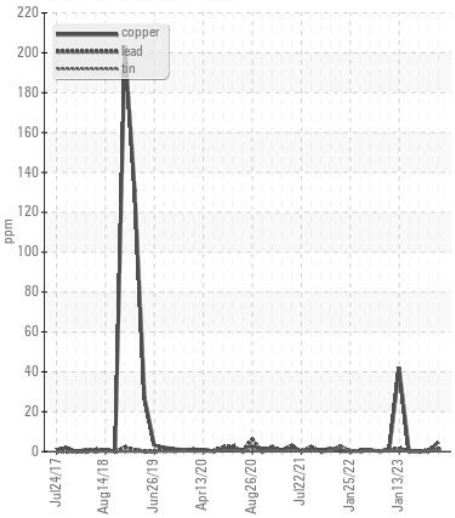
Viscosity @ 100°C



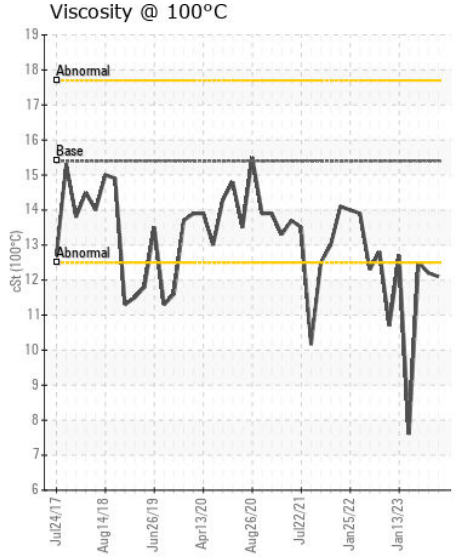
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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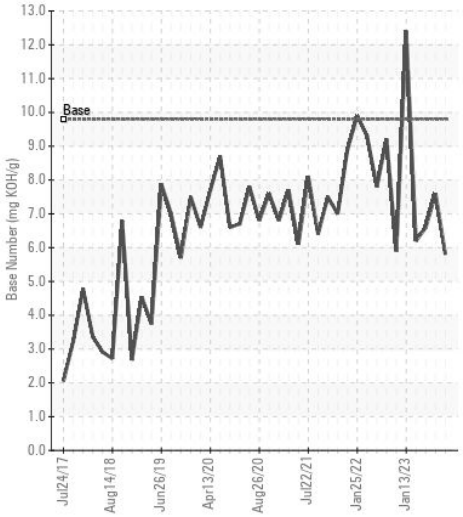

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0074617
Lab Number : 06060721
Unique Number : 10832103
Test Package : FLEET

Recieved : 16 Jan 2024
Diagnosed : 16 Jan 2024
Diagnostician : 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)

GFL Environmental - 095 - Atlanta West
2699 Cochran Industrial Blvd
Douglasville, GA
US 30127-1332
Contact: Darrell Welch
darrell.welch@gflenv.com
T: (800)207-6618
F: