FLEET LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
(P662031)
Machine Id
10892C
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON GEO LD 15W40 (11 GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

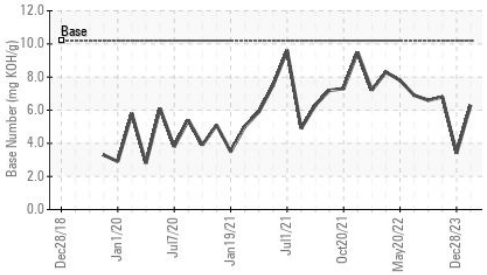
Moderate concentration of visible dirt/debris present in the oil.

FLUID CONDITION

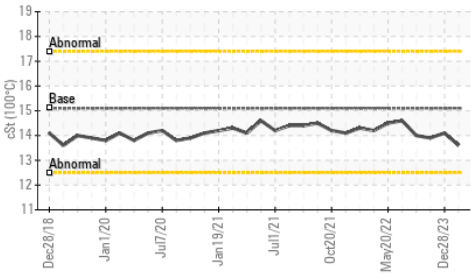
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0096913	GFL0069746	GFL0084243
Sample Date		Client Info		07 Feb 2024	28 Dec 2023	21 Jun 2023
Machine Age	hrs	Client Info		5580	5270	4004
Oil Age	hrs	Client Info		5580	5270	4004
Filter Age	hrs	Client Info		0	5270	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	43	11	20
Chromium	ppm	ASTM D5185m	>4	4	<1	2
Nickel	ppm	ASTM D5185m	>2	2	<1	1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	4	2	4
Lead	ppm	ASTM D5185m	>30	7	3	<1
Copper	ppm	ASTM D5185m	>35	2	<1	1
Tin	ppm	ASTM D5185m	>4	1	<1	<1
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	>+100	43	8	11
Potassium	ppm	ASTM D5185m	>20	4	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	*ASTM D7844		0.1	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	13.6	11.3	8.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.1	24.3	20.1
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		8	7	4
Boron	ppm	ASTM D5185m	50	10	6	28
Barium	ppm	ASTM D5185m	5	2	0	0
Molybdenum	ppm	ASTM D5185m	50	73	63	88
Manganese	ppm	ASTM D5185m	0	2	<1	<1
Magnesium	ppm	ASTM D5185m	560	749	678	859
Calcium	ppm	ASTM D5185m	1510	1750	1668	2135
Phosphorus	ppm	ASTM D5185m	780	922	801	1173
Zinc	ppm	ASTM D5185m	870	1206	1096	1407
Sulfur	ppm	ASTM D5185m	2040	2595	2561	4096
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.3	19.4	16.7
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	6.3	3.4	6.8
Visc @ 100°C	cSt	ASTM D445	15.1	13.6	14.1	13.9

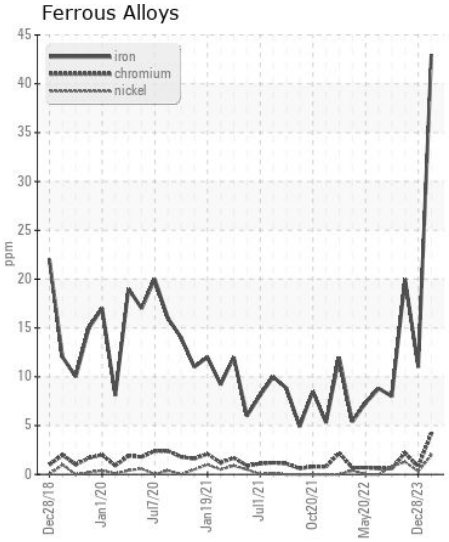
Base Number



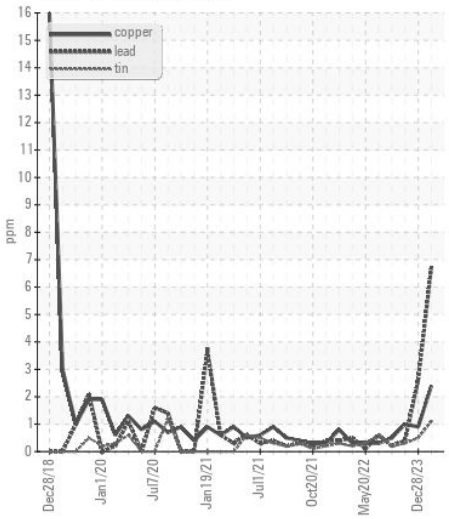
Viscosity @ 100°C



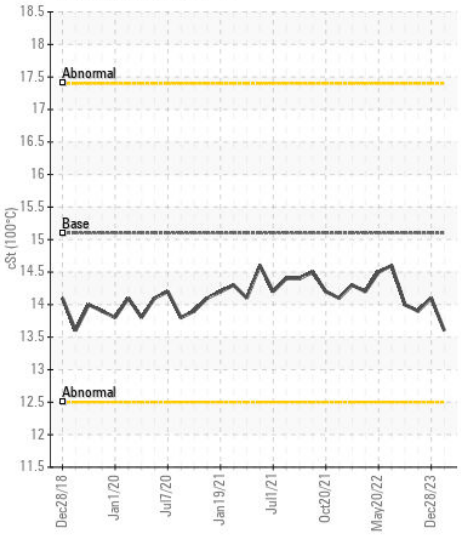
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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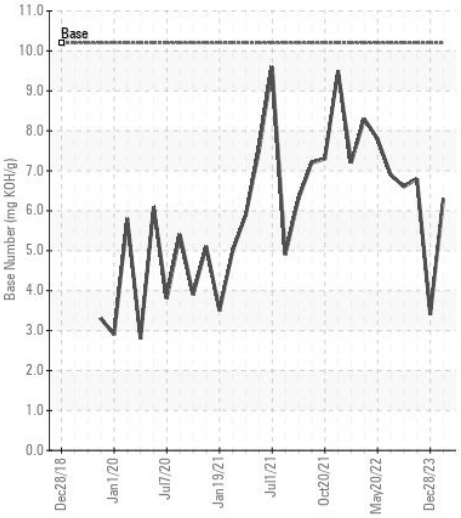

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0096913
Lab Number : 06085279
Unique Number : 10872724
Test Package : FLEET

Received : 09 Feb 2024
Tested : 12 Feb 2024
Diagnosed : 12 Feb 2024 - Don Baldridge

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 - 031 - Greenville/Spartanburg
1635 Antioch Church Rd
Piedmont, SC
US 29673
Contact: TECHNICIAN ACCOUNT
catherine.anastasio@wearcheck.com
T:
F: