

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 526074

Component Diesel Engine

Fluid PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

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

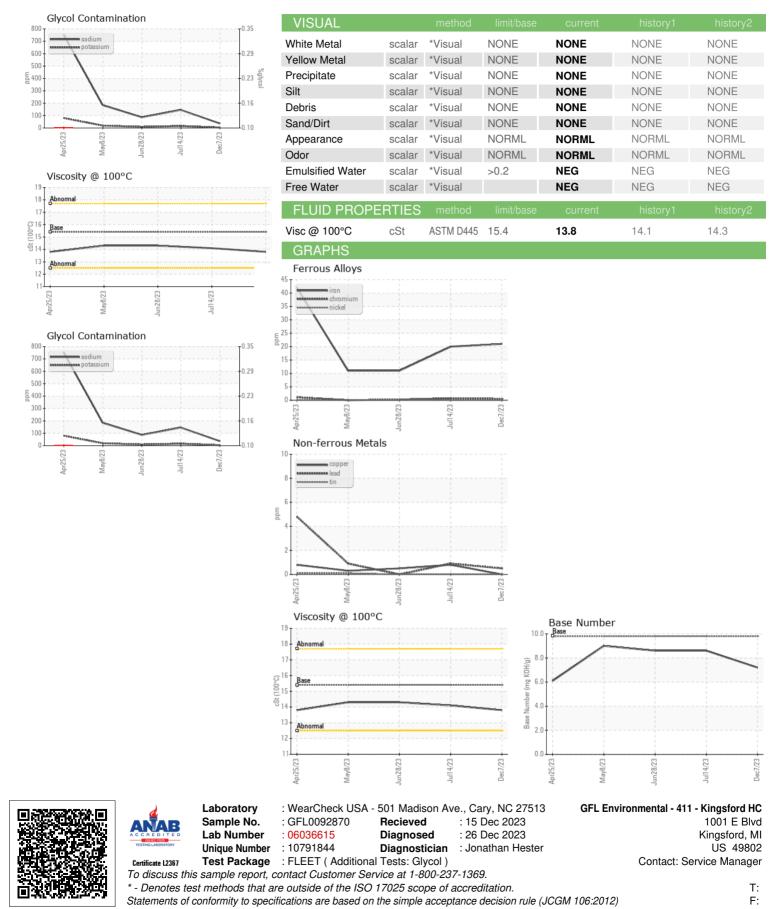
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0092870	GFL0085615	GFL0076885
Sample Date		Client Info		07 Dec 2023	14 Jul 2023	28 Jun 2023
Machine Age	hrs	Client Info		4727	3546	3399
Oil Age	hrs	Client Info		1181	582	435
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	ABNORMAL	ATTENTION
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	21	20	11
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	<1
Lead	ppm	ASTM D5185m	>40	<1	<1	0
Copper	ppm	ASTM D5185m	>330	0	<1	<1
Tin	ppm	ASTM D5185m	>15	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	4 0	3 0	5 0
Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m	60	0 64	72	65
Manganese	ppm ppm	ASTM D5185m		04 <1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	958	1002	989
Calcium	ppm	ASTM D5185m	1070	1088	1175	1130
Phosphorus	ppm	ASTM D5185m	1150	1082	1057	1032
Zinc	ppm	ASTM D5185m	1270	1282	1266	1258
Sulfur	ppm	ASTM D5185m	2060	2941	3743	3965
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	5	5
Sodium	ppm	ASTM D5185m		36	1 46	8 7
Potassium	ppm	ASTM D5185m	>20	3	16	9
Glycol	%	*ASTM D2982		NEG	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.6	0.5	0.4
Nitration	Abs/cm	*ASTM D7624	>20	9.8	8.0	6.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1	19.9	19.5
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	15.0	15.4
Base Number (BN)	mg KOH/g	ASTM D2896		7.2	8.6	8.6

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Submitted By: TECHNICIAN ACCOUNT