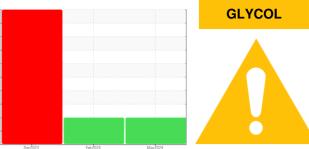


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

514050 PETERBILT 567

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- 0

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. There is a moderate amount of fuel present in the oil. Test for glycol is negative.

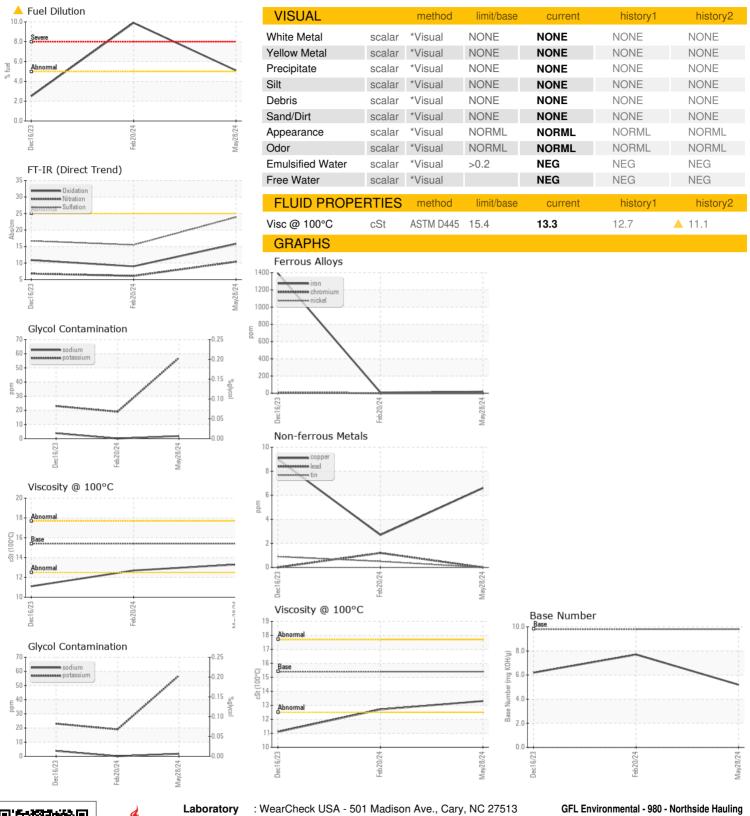
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil.

AL)		De	2023	Feb 2024 May 2	124	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0115331	GFL0066585	GFL0066601
Sample Date		Client Info		28 May 2024	20 Feb 2024	16 Dec 2023
Machine Age	mls	Client Info		0	0	0
Dil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	SEVERE
CONTAMINAT	ION	method	limit/base	current	history1	history2
Nater		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>110	18	9	1 391
Chromium	ppm	ASTM D5185m	>4	0	0	<u> 8</u>
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m		12	5	1 0
_ead	ppm	ASTM D5185m	>45	0	1	0
Copper	ppm	ASTM D5185m		7	3	9
Fin		ASTM D5185m	>4	0	<1	<1
/anadium	ppm	ASTM D5185m	7 4	0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	9	73
Barium	ppm	ASTM D5185m	0	0	0	3
Molybdenum	ppm	ASTM D5185m	60	47	45	2
Manganese	ppm	ASTM D5185m	0	<1	<1	8
Magnesium	ppm	ASTM D5185m	1010	214	220	456
Calcium	ppm	ASTM D5185m	1070	2308	2604	819
Phosphorus	ppm	ASTM D5185m	1150	1052	1076	720
Zinc	ppm	ASTM D5185m	1270	1237	1479	534
Sulfur	ppm	ASTM D5185m	2060	3649	3832	9708
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	8	9	<u>^</u> 28
Sodium	ppm	ASTM D5185m		2	<1	4
Potassium	ppm	ASTM D5185m	>20	5 7	19	23
-uel	%	ASTM D3524	>5	<u></u> 5.1	4 9.9	<u>^</u> 2.5
Glycol	%	*ASTM D2982		NEG	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	10.4	6.1	6.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.9	15.5	16.7
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.8	9.0	10.9
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	5.2	7.7	6.2
Dago Hambor (DIN)	ing itoring	7.0 TW D2000	0.0	J.L	1.1	0.2



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Lab Number : 06197296 Unique Number : 11059419

: GFL0115331

Received **Tested**

: 03 Jun 2024 Diagnosed

: 05 Jun 2024 : 05 Jun 2024 - Jonathan Hester 1820 Candle Ridge Park Dr

Houston, TX US 77073 Contact: Edwin Collins

ecollins@gflenv.com

Test Package : FLEET (Additional Tests: Glycol, PercentFuel) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

F: Contact/Location: Edwin Collins - GFL980

Report Id: GFL980 [WUSCAR] 06197296 (Generated: 06/06/2024 07:56:32) Rev: 1

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