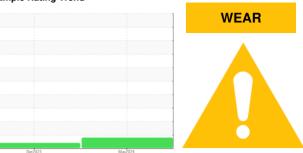


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

525143- SW7521 FREIGHTLINER CASCADIA 125

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- G

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

The aluminum level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

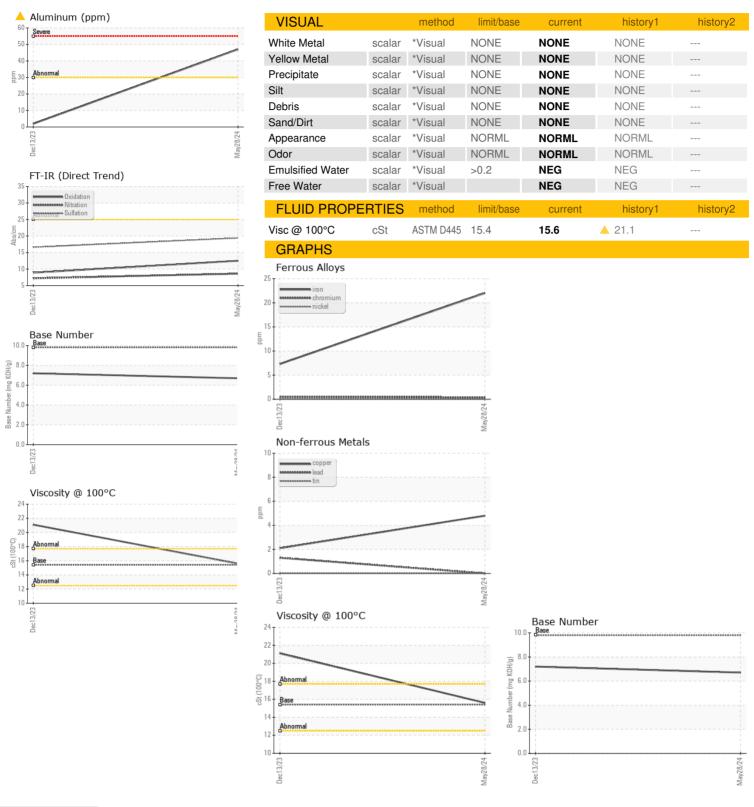
Fluid Condition

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

A1.\						
AL)			Dec2023	May2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0115329	GFL0105534	
Sample Date		Client Info		28 May 2024	13 Dec 2023	
Machine Age	mls	Client Info		0	114240	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	Changed	
Sample Status				ABNORMAL	ABNORMAL	
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
-uel		WC Method	>5	<1.0	<1.0	
Nater		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>80	22	7	
Chromium	ppm	ASTM D5185m	>5	<1	<1	
Nickel	ppm	ASTM D5185m	>2	0	0	
Γitanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>30	<u>47</u>	2	
_ead	ppm	ASTM D5185m	>30	0	1	
Copper	ppm	ASTM D5185m	>150	5	2	
Γin	ppm	ASTM D5185m	>5	0	0	
/anadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	61	20	
Manganese	ppm	ASTM D5185m	0	<1	0	
Magnesium	ppm	ASTM D5185m	1010	8	92	
Calcium	ppm	ASTM D5185m	1070	2605	2422	
Phosphorus	ppm	ASTM D5185m	1150	1177	882	
Zinc	ppm	ASTM D5185m	1270	1407	1119	
Sulfur	ppm	ASTM D5185m	2060	3712	2976	
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	8	9	
Sodium	ppm	ASTM D5185m		<1	0	
Potassium	ppm	ASTM D5185m	>20	1	<1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	8.6	7.2	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.4	16.6	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.5	8.9	
Base Number (BN)	mg KOH/g	ASTM D2896		6.7	7.2	
()	0 - 3					



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: GFL0115329 Lab Number : 06197299 Unique Number : 11059422

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 03 Jun 2024 Diagnosed : 04 Jun 2024 - Sean Felton

: 03 Jun 2024

GFL Environmental - 980 - Northside Hauling

1820 Candle Ridge Park Dr Houston, TX

US 77073

Contact: Edwin Collins ecollins@gflenv.com

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)

Report Id: GFL980 [WUSCAR] 06197299 (Generated: 06/04/2024 13:13:33) Rev: 1

Contact/Location: Edwin Collins - GFL980

T:

F: