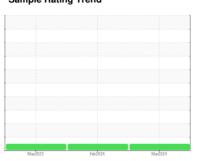


# **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id PETERBILT 450

Component

Component **Diesel Engine** 

**DIESEL ENGINE OIL SAE 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

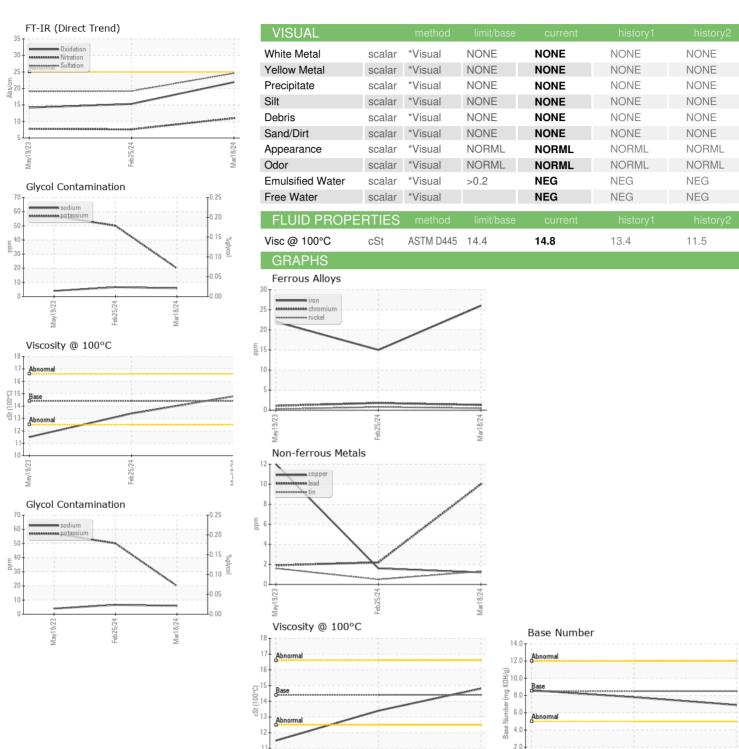
## **Fluid Condition**

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

		Ma	y2023	Feb 2024 Mar 20	24	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0115576	PCA0082953	PCA0069354
Sample Date		Client Info		18 Mar 2024	25 Feb 2024	19 May 2023
Machine Age	mls	Client Info		0	0	4378
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	0.5
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	26	15	22
Chromium	ppm	ASTM D5185m	>20	1	2	1
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	19	15
Lead	ppm	ASTM D5185m	>40	10	2	2
Copper	ppm	ASTM D5185m	>330	1	2	12
Tin	ppm	ASTM D5185m	>15	1	<1	2
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	24	12	69
Barium	ppm	ASTM D5185m	10	1	0	0
Molybdenum	ppm	ASTM D5185m	100	66	62	16
Manganese	ppm	ASTM D5185m		<1	<1	4
Magnesium	ppm	ASTM D5185m	450	921	1016	695
Calcium	ppm	ASTM D5185m	3000	1547	1167	1265
Phosphorus	ppm	ASTM D5185m	1150	1219	1104	699
Zinc	ppm	ASTM D5185m	1350	1465	1346	830
Sulfur	ppm	ASTM D5185m	4250	3783	3112	3096
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10	6	35
Sodium	ppm	ASTM D5185m	>158	6	7	4
Potassium	ppm	ASTM D5185m	>20	20	50	57
Glycol	%	*ASTM D2982		NEG	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.6	0.2	0.1
N I'm - 4'	Abs/cm	*ASTM D7624	>20	11.0	7.6	7.8
Nitration	ADS/ CITI					
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.6	19.2	19.1
	Abs/.1mm		>30 limit/base	24.6 current	19.2 history1	19.1 history2
Sulfation	Abs/.1mm					
Sulfation FLUID DEGRAI	Abs/.1mm	method	limit/base	current	history1	history2



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0115576 Lab Number : 06128542 Unique Number : 10942693

Received : 25 Mar 2024 **Tested** 

: 28 Mar 2024 Diagnosed : 28 Mar 2024 - Don Baldridge Test Package : FLEET ( Additional Tests: Glycol )

0.0

US 55330 Contact: JAY LEFEBVRE jay.lefebvre@leftruck.com

**LEFEBVRE AND SONS** 

10895 171ST AVE NW

ELK RIVER, MN

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)

Report Id: LEFELK [WUSCAR] 06128542 (Generated: 04/23/2024 21:44:55) Rev: 1

Contact/Location: JAY LEFEBVRE - LEFELK

T:

F: