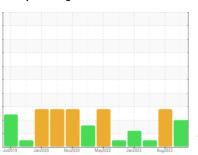


OIL ANALYSIS REPORT

Sample Rating Trend



ISO



PETERBILT VS 9744

Component

Diesel Engine

SHELL ROTELLA T 15W40 (--- QTS)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The 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

There is a high amount of particulates present in the oil.

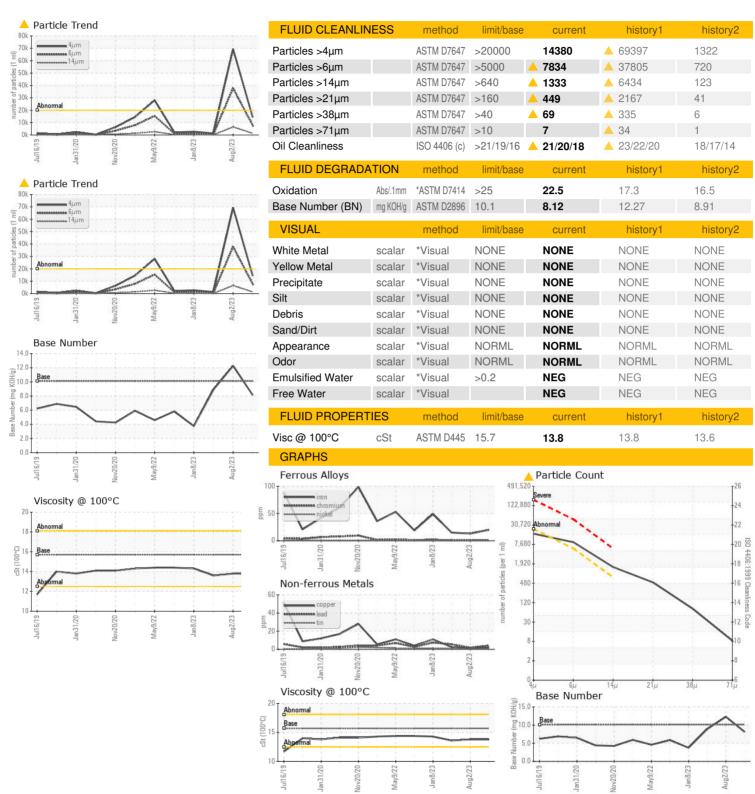
Fluid Condition

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

		Jul2019	Jan2020 Nov2020	May2022 Jan2023 Aug2023			
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		WC0793358	WC0793353	WC0779700	
Sample Date		Client Info		03 Oct 2023	02 Aug 2023	07 Mar 2023	
Machine Age	hrs	Client Info		7082	6606	5937	
Oil Age	hrs	Client Info		480	2736	2070	
Oil Changed		Client Info		Not Changd	Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	NORMAL	
CONTAMINATION	V	method	limit/base	current	history1	history2	
Fuel		WC Method	>5	<1.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	NEG	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>110	20	13	15	
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1	
Nickel	ppm	ASTM D5185m	>2	0	0	0	
Titanium	ppm	ASTM D5185m		0	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>25	3	2	4	
Lead	ppm	ASTM D5185m	>45	4	2	6	
Copper	ppm	ASTM D5185m	>85	2	<1	2	
Tin Vanadium	ppm	ASTM D5185m	>4	<1 <1	<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES	pp	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	316 0.0	0	3	17 0	
Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m	1.2	58	60	54	
Manganese	ppm ppm	ASTM D5185m	1.2	<1	<1	<1	
Magnesium	ppm	ASTM D5185m	24	912	940	701	
Calcium	ppm	ASTM D5185m	2292	1115	1161	1326	
Phosphorus	ppm	ASTM D5185m	1064	1017	1081	926	
Zinc	ppm	ASTM D5185m	1160	1239	1304	1117	
Sulfur	ppm	ASTM D5185m	4996	3394	4467	4053	
CONTAMINANTS	;	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>30	6	5	4	
Sodium	ppm	ASTM D5185m		6	4	1	
Potassium	ppm	ASTM D5185m	>20	6	6	6	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.4	0.3	0.2	
Nitration	Abs/cm	*ASTM D7624		12.7	10.2	8.6	
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.9	20.4	20.2	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory

Sample No. Lab Number

Unique Number

Test Package

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0793358 : 06028805

Received Diagnosed : 10778596

: 13 Dec 2023 Diagnostician : Jonathan Hester : MOB 2 (Additional Tests: PrtCount)

: 07 Dec 2023

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)

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