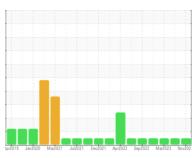


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



PETERBILT TK9745

Component

Diesel Engine

SHELL ROTELLA T 15W40 (--- QTS)

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. The amount and size of particulates present in the system are acceptable.

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.

φείστο 9 Jan-20120 Μανέστει Judotet Οννέστει Αφνέστει Μανέστει Μανέ						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0857792	WC0793354	WC0779705
Sample Date		Client Info		15 Nov 2023	02 Aug 2023	07 Mar 2023
Machine Age	hrs	Client Info		10445	9937	9203
Oil Age	hrs	Client Info		2039	1531	2089
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	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	7	6	19
Chromium	ppm	ASTM D5185m	>4	0	<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	<1	0	2
Lead	ppm	ASTM D5185m	>45	1	<1	4
Copper	ppm	ASTM D5185m	>85	1	<1	3
Tin Vanadium	ppm	ASTM D5185m	>4	0 <1	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
	ррпп					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	316	4	4	23
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	1.2	57	58	20
Manganese	ppm	ASTM D5185m	24	0	<1 950	<1
Magnesium Calcium	ppm	ASTM D5185m ASTM D5185m	2292	949 1206	1246	263 2027
Phosphorus	ppm	ASTM D5185m	1064	1035	1074	930
Zinc	ppm	ASTM D5185m	1160	1318	1329	1132
Sulfur	ppm	ASTM D5185m	4996	3233	4244	4004
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	5	4	7
Sodium	ppm	ASTM D5185m		3	2	3
Potassium	ppm	ASTM D5185m	>20	0	<1	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.2
Nitration	Abs/cm	*ASTM D7624	>20	9.9	8.0	10.0



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number **Unique Number**

: 06028802 : 10778593

: WC0857792 Received Diagnosed

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

: 07 Dec 2023

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

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.

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)