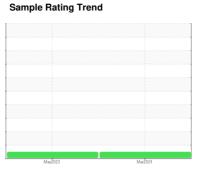


OIL ANALYSIS REPORT







Machine Id **PETERBILT 9**

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

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.

QTS)			May2023	Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0081006	PCA0053905	
Sample Date		Client Info		25 Mar 2024	05 May 2023	
Machine Age	mls	Client Info		543000	530000	
Oil Age	mls	Client Info		10000	9800	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS	5	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	18	15	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m		2	2	
Lead	ppm	ASTM D5185m	>40	0	1	
Copper	ppm	ASTM D5185m		<1	0	
Tin	ppm	ASTM D5185m	>15	1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	68	3	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m	60	96	55	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	1010	654	937	
Calcium	ppm	ASTM D5185m	1070	1386	1009	
Phosphorus	ppm	ASTM D5185m	1150	779	995	
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1270 2060	875 3373	1241 3617	
CONTAMINANT		method	limit/base	current		history2
		ASTM D5185m	>25		history1 4	
Silicon Sodium	ppm	ASTM D5185m	>20	5 2	<1	
Potassium	ppm	ASTM D5185m	>20	2	1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	11.3	9.0	
Sulfation	Abs/.1mm	*ASTM D7024		21.2	20.0	
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.4	15.9	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.93	8.90	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06149588 Unique Number : 10979666

Test Package : MOB 2

: PCA0081006

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

Received : 15 Apr 2024 Tested Diagnosed

: 18 Apr 2024 - Sean Felton

: 16 Apr 2024

VALLEY PACIFIC PETROLEUM SERVICES 152 FRANK WEST CIRCLE STOCKTON, CA US 95206

Contact: MARCEY LIGHTFOOT marcey.lightfoot@vpps.net T: (209)461-3611

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: (209)888-6196 Contact/Location: MARCEY LIGHTFOOT - VALSTO