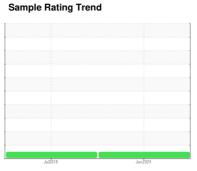


OIL ANALYSIS REPORT

Saiii



NORMAL



Machine Id
410-801
Component

Component
Diesel Engine

PETRO CANADA DURON SHP 15W40 (5 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

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.

A.I.\						
AL)			Jul2018	Jun 2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0121241	LWI-R72547	
Sample Date		Client Info		07 Jun 2024	16 Jul 2018	
Machine Age	hrs	Client Info		353	178	
Oil Age	hrs	Client Info		0	41	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINA	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>2.1	<1.0	<1.0	
Water		WC Method	>0.21	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAI	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>51	26	10	
Chromium	ppm	ASTM D5185m	>11	1	0	
Nickel	ppm	ASTM D5185m	>5	1	0	
Titanium	ppm	ASTM D5185m		1	0	
Silver	ppm	ASTM D5185m	>3	<1	0	
Aluminum	ppm	ASTM D5185m	>31	3	0	
_ead	ppm	ASTM D5185m	>26	<1	0	
Copper	ppm	ASTM D5185m	>26	2	0	
Tin	ppm	ASTM D5185m	>4	<1	0	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	7	75	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	60	2	
Manganese	ppm	ASTM D5185m	0	1	0	
Magnesium	ppm	ASTM D5185m	1010	958	16	
Calcium	ppm	ASTM D5185m	1070	1070	2326	
Phosphorus	ppm	ASTM D5185m	1150	1011	992	
Zinc	ppm	ASTM D5185m	1270	1239	1106	
Sulfur	ppm	ASTM D5185m	2060	3031		
Lithium	ppm	ASTM D5185m			0	
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>22	6	4	
Sodium	ppm	ASTM D5185m	>31	2	2	
Potassium	ppm	ASTM D5185m	>20	3	0	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3		
Nitration	Abs/cm	*ASTM D7624		6.5	6	
Sulfation	Abs/.1mm	*ASTM D7415		17.4		



OIL ANALYSIS REPORT







Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06229922 Unique Number : 11113415

: PCA0121241

Received **Tested**

: 09 Jul 2024 Diagnosed

: 09 Jul 2024 - Wes Davis

: 08 Jul 2024

Test Package : MOB 1 (Additional Tests: TBN) Certificate 12367 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)

GE MARSHALL EXCAVATION

1351 JOLIET RD VALPARAISO, IN US 46385

Contact: MARK STEFFEL mark.steffel@gemarshall.com

T: F:

Contact/Location: MARK STEFFEL - GEMVAL