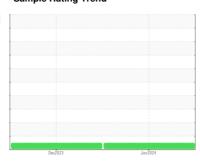


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
5970
Component
Diesel Engine

PETRO CANADA DURON SHP 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

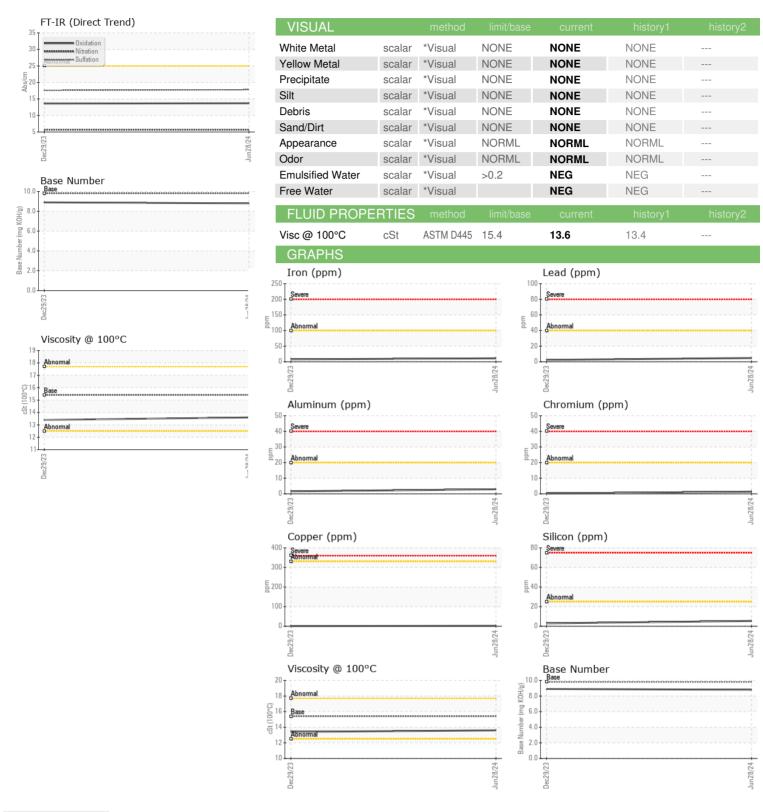
Fluid Condition

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

AL)			Dec2023	Jun 2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0085971	PCA0109281	
Sample Date		Client Info		28 Jun 2024	29 Dec 2023	
Machine Age	hrs	Client Info		13057	12769	
Oil Age	hrs	Client Info		288	12769	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
uel		WC Method	>2.0	<1.0	<1.0	
Vater		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	11	8	
Chromium	ppm	ASTM D5185m	>20	1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	0	
Γitanium	ppm	ASTM D5185m		1	0	
Silver	ppm	ASTM D5185m	>3	<1	0	
Aluminum	ppm	ASTM D5185m	>20	3	2	
_ead	ppm	ASTM D5185m	>40	5	2	
Copper	ppm	ASTM D5185m	>330	2	<1	
Γin	ppm	ASTM D5185m	>15	<1	0	
/anadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	6	2	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	62	61	
Manganese	ppm	ASTM D5185m	0	<1	0	
Magnesium	ppm	ASTM D5185m	1010	1046	980	
Calcium	ppm	ASTM D5185m	1070	1164	1099	
Phosphorus	ppm	ASTM D5185m	1150	1111	1044	
Zinc	ppm	ASTM D5185m	1270	1351	1226	
Sulfur	ppm	ASTM D5185m	2060	3379	3458	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	3	
Sodium	ppm	ASTM D5185m		5	2	
Potassium	ppm	ASTM D5185m	>20	2	1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	
Nitration	Abs/cm	*ASTM D7624	>20	5.7	5.7	
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.8	17.6	
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.7	13.6	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.8	8.9	



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

Lab Number : 06229704 Unique Number : 11113197

: PCA0085971

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

: 08 Jul 2024 : 09 Jul 2024 Diagnosed

: 09 Jul 2024 - Wes Davis

Kemp Quarries - Kemp Stone - Hulbert 17801 Hwy 80 Hulbert, OK US 74441

Contact: HULBERT NOTIFICATIONS hulbert@kempstone.com

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.

Test Package : MOB 1 (Additional Tests: TBN)

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

T:

F: