

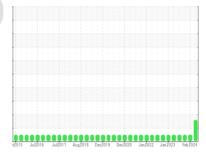
OIL ANALYSIS REPORT



KEMP QUARRIES / PRYOR STONE [70214] **OHT085**

Diesel Engine

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



Sample Rating Trend



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Pm2 performed. All oil samples taken. Engine oil, transmission oil, and all filters changed.)

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

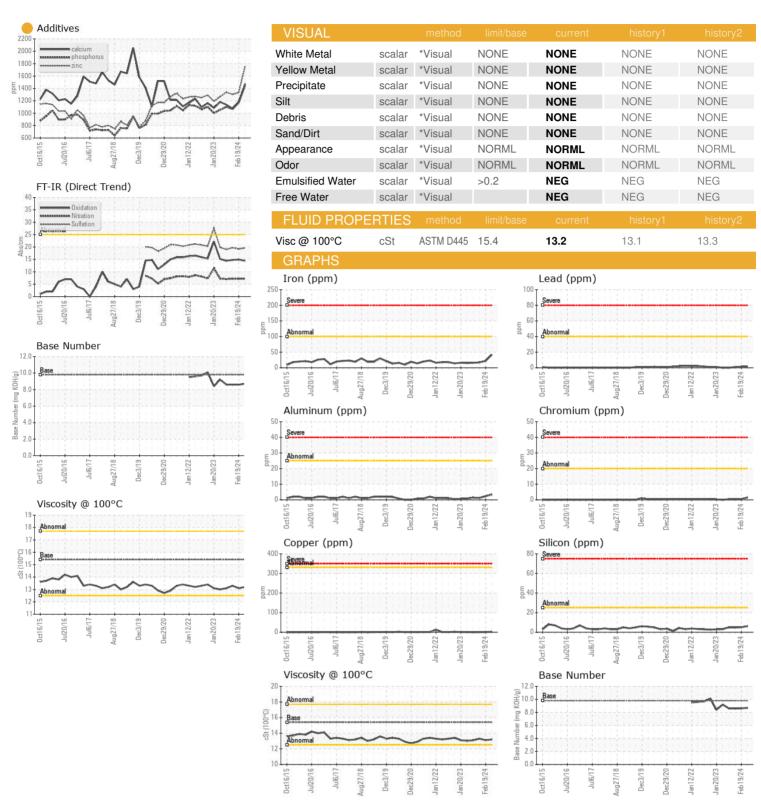
Fluid Condition

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

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SAMPLE INFORM	1A HON	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0108877	PCA0086331	PCA0084308
Sample Date		Client Info		24 Jun 2024	19 Feb 2024	03 Nov 2023
Machine Age	hrs	Client Info		15404	14934	14433
Oil Age	hrs	Client Info		470	501	538
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
CONTAMINATION	ON	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	6	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	42	22	17
Chromium	ppm	ASTM D5185m	>20	1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m	>2	1	0	<1
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>25	3	2	1
Lead	ppm	ASTM D5185m	>40	2	1	1
Copper	ppm	ASTM D5185m	>330	2	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	4	1	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	80	66	62
Manganese	ppm	ASTM D5185m	0	1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	1350	1047	982
Calcium	ppm	ASTM D5185m	1070	<u> </u>	1180	1074
Phosphorus	ppm	ASTM D5185m	1150	1463	1173	1066
Zinc	ppm	ASTM D5185m	1270	1747	1332	1303
Sulfur	ppm	ASTM D5185m	2060	4526	3641	3150
CONTAMINANT	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	5	5
Sodium	ppm	ASTM D5185m		3	2	2
Potassium	ppm	ASTM D5185m	>20	3	<1	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9	0.6	0.6
Nitration	Abs/cm	*ASTM D7624	>20	7.2	7.2	7.2
Sulfation	Abs/.1mm	*ASTM D7415		19.6	19.2	19.7
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	14.9	14.8
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.7	8.6	8.6
(5.4)	951119		3.0	U.	0.0	0.0



OIL ANALYSIS REPORT







Laboratory Sample No.

: PCA0108877

Lab Number : 06229713 Unique Number : 11113206

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

: 08 Jul 2024 : 09 Jul 2024 Diagnosed

: 09 Jul 2024 - Sean Felton

1050 E 520 Rd

Kemp Quarries - Pryor Stone - Pryor

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

Report Id: KEMPRY [WUSCAR] 06229713 (Generated: 07/09/2024 15:21:28) Rev: 1

Submitted By:

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