DIL ANALYSIS REPORT			WEAR CONTAMINATION FLUID CONDITION			NORMAL NORMAL NORMAL									
								Area KEMP QUARRIES / PRYOR STONE [64441] Machine Id WL103 Component Diesel Engine Fluid PETRO CANADA DURON SHP 15W40 (GAL)							
								RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. (Customer Sample Comment: Pm4 performed. All oil samples taken. Engine oil, transmission oil, and all filters changed.)	Sample Number		Client Info		PCA0086338	PCA0084390	PCA0070281								
	Sample Date		Client Info		23 Feb 2024	02 Dec 2023	05 Dec 2022								
	Machine Age	hrs	Client Info		40226	39780	39249								
	Oil Age	hrs	Client Info		446	531	554								
	Filter Age	hrs	Client Info		446	531	554								
	Oil Changed		Client Info		Changed	Changed	Changed								
	Filter Changed		Client Info		Changed	Changed	Changed								
	Sample Status				NORMAL	NORMAL	NORMAL								
WEAR	Iron	nnm	ASTM D5185m	<100	18	9	24								
All component wear rates are normal.	Chromium	ppm ppm	ASTM D5185m		<1	0	<1								
	Nickel	ppm	ASTM D5185m		0	<1	0								
	Titanium	ppm	ASTM D5185m		0	0	0								
	Silver	ppm	ASTM D5185m		0	0	0								
	Aluminum	ppm	ASTM D5185m		2	1	0								
	Lead	ppm	ASTM D5185m		- <1	0	1								
	Copper	ppm	ASTM D5185m		3	2	5								
	Tin	ppm	ASTM D5185m		<1	<1	0								
	Vanadium	ppm	ASTM D5185m	10	0	0	0								
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE								
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE								
CONTAMINATION There is no indication of any contamination in the oil.	Silicon	ppm	ASTM D5185m		4	2	2								
	Potassium	ppm	ASTM D5185m		<1	1	1								
	Fuel		WC Method		<1.0	<1.0	<1.0								
	Water		WC Method WC Method	>0.2	NEG	NEG	NEG								
	Glycol Soot %	%	*ASTM D7844	. 0	NEG 0.6	NEG 0.5	NEG								
	Nitration	Abs/cm	*ASTM D7644		8.1	7.1	0.9 9.1								
	Sulfation	Abs/.1mm	*ASTM D7024		18.7	18.7	19.4								
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE								
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE								
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE								
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML								
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML								
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG								
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	<1	0								
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		1	2	0								
	Barium	ppm	ASTM D5185m		0	0	0								
	Molybdenum	ppm	ASTM D5185m		64	60	57								
	Manganese	ppm	ASTM D5185m		0	<1	<1								
	Magnesium	ppm	ASTM D5185m		1013	936	839								
	Calcium	ppm	ASTM D5185m		1147	1033	1049								
	Phosphorus	ppm	ASTM D5185m		1123	1074	971								
	Zinc	ppm	ASTM D5185m		1295	1270	1124								
	Sulfur	nnm	1511/11610Em	2060	2///2	92120	.7811								

Sulfur

Oxidation

Visc @ 100°C cSt

ppm ASTM D5185m 2060

Base Number (BN) mg KOH/g ASTM D2896 9.8

Abs/.1mm *ASTM D7414 >25

ASTM D445 15.4

3443

15.0

8.2

14.1

3138 2811

15.5

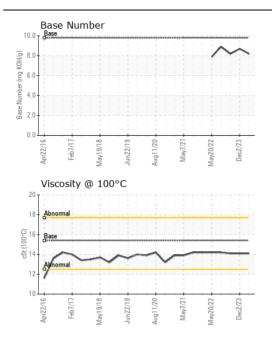
14.1

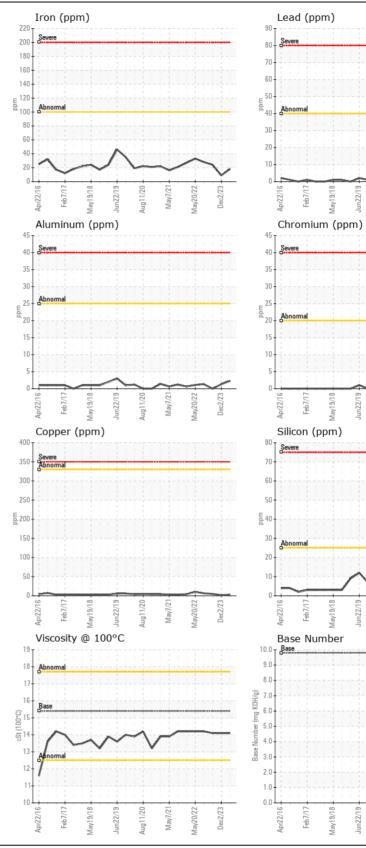
8.2

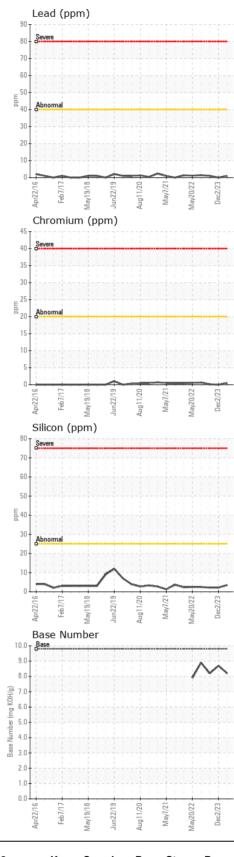
14.4

8.7

14.1







: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Kemp Quarries - Pryor Stone - Pryor Laboratory Sample No. : PCA0086338 Received : 18 Mar 2024 1050 E 520 Rd Lab Number : 06121412 : 19 Mar 2024 Pryor, OK Tested Unique Number : 10930245 : 20 Mar 2024 - Don Baldridge US 74361 Diagnosed Test Package : MOB 1 (Additional Tests: TBN) Contact: Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. pryor@pryorstone.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Т: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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