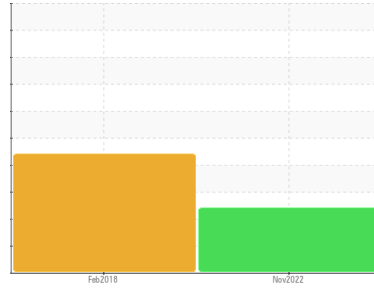


Area
KEMP QUARRIES / PRYOR STONE
 Machine Id
LFT009
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)


DIAGNOSIS
Recommendation

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. (Customer Sample Comment: Changed fluid and filters)

Wear

All component wear rates are normal.

Contamination

There is a high amount of fuel present in the oil.

Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0070248	PCA47125005	---
Sample Date	Client Info	04 Nov 2022	06 Feb 2018	---
Machine Age	hrs	8365	3587	---
Oil Age	hrs	8365	214	---
Oil Changed	Client Info	Changed	N/A	---
Sample Status		SEVERE	SEVERE	---

CONTAMINATION

method	limit/base	current	history1	history2
Glycol	WC Method	NEG	0.0	---

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >100	35	43	---
Chromium	ppm	ASTM D5185m >20	2	4	---
Nickel	ppm	ASTM D5185m >2	0	0	---
Titanium	ppm	ASTM D5185m >2	0	0	---
Silver	ppm	ASTM D5185m >2	0	0	---
Aluminum	ppm	ASTM D5185m >25	4	8	---
Lead	ppm	ASTM D5185m >40	1	0	---
Copper	ppm	ASTM D5185m >330	5	4	---
Tin	ppm	ASTM D5185m >15	<1	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 0	1	33	---
Barium	ppm	ASTM D5185m 0	0	0	---
Molybdenum	ppm	ASTM D5185m 0	19	26	---
Manganese	ppm	ASTM D5185m	<1	---	---
Magnesium	ppm	ASTM D5185m 0	272	339	---
Calcium	ppm	ASTM D5185m	327	1128	---
Phosphorus	ppm	ASTM D5185m	307	509	---
Zinc	ppm	ASTM D5185m	375	592	---
Sulfur	ppm	ASTM D5185m	1129	---	---

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >25	5	▲ 16	---
Sodium	ppm	ASTM D5185m	0	0	---
Potassium	ppm	ASTM D5185m >20	<1	1	---
Fuel	%	ASTM D3524 >5	● 68.7	● 36.54	---

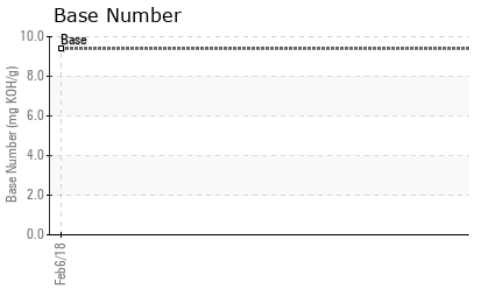
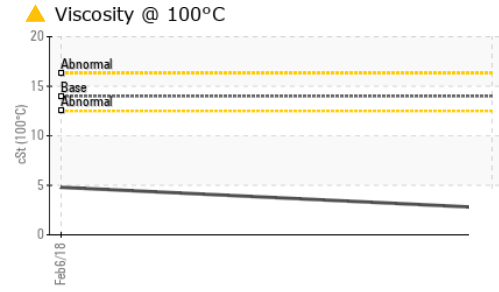
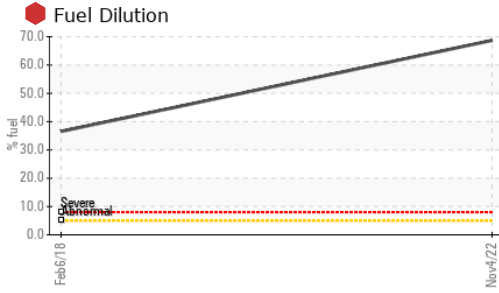
INFRA-RED

method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844 >3	0.2	0.36	---
Nitration	Abs/cm	*ASTM D7624 >20	9.1	---	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	14.8	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414 >25	10.3	0	---
Base Number (BN)	mg KOH/g	ASTM D2896 9.4	7.4	---	---

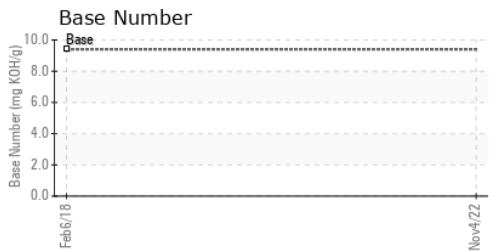
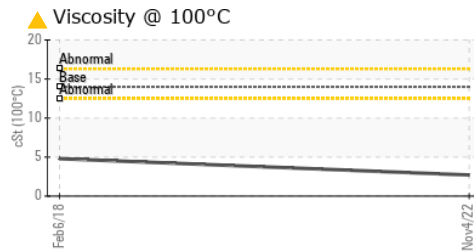
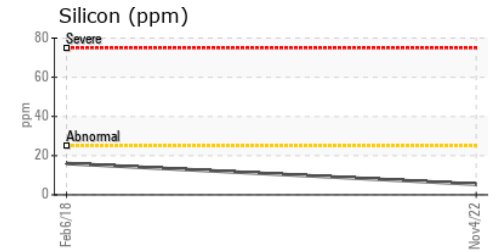
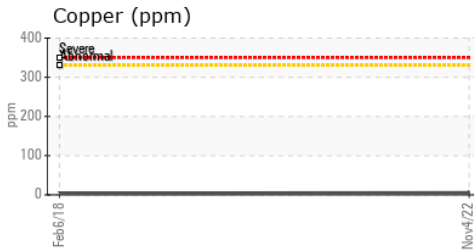
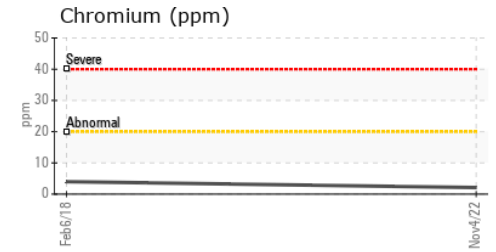
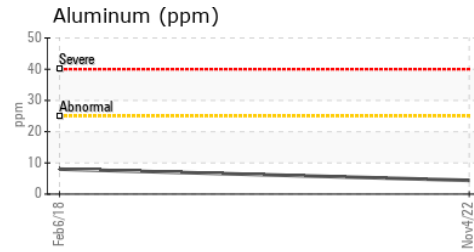
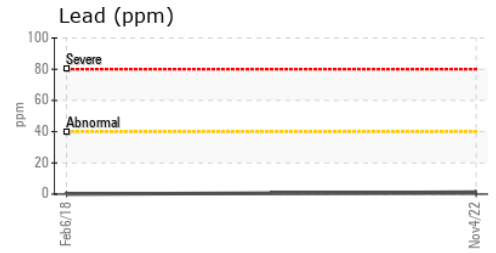
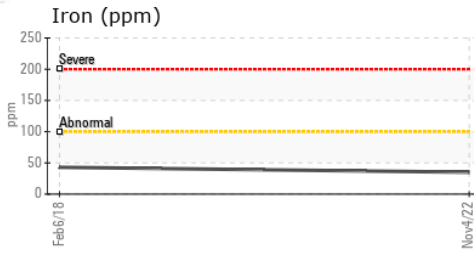
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445 14	▲ 2.7	◆ 4.8	---

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0070248 **Received** : 21 Nov 2022
Lab Number : 05698629 **Diagnosed** : 23 Nov 2022
Unique Number : 10228203 **Diagnostician** : Jonathan Hester
Test Package : MOB 1 (Additional Tests: PercentFuel, TBN)

Kemp Quarries - Pryor Stone - Pryor
 1050 E 520 Rd
 Pryor, OK
 US 74361
 Contact:
 pryor@pryorstone.com

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)

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F: