



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PHOENIX MIXER 265
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LP0000985	LP0001483	LP0000516
Sample Date		Client Info		06 Jun 2024	05 Dec 2023	30 Aug 2023
Machine Age	hrs	Client Info		6659	5683	5000
Oil Age	hrs	Client Info		500	500	500
Filter Age	hrs	Client Info		500	500	500
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>90	48	53	48
Chromium	ppm	ASTM D5185m	>4	2	3	3
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>15	2	2	0
Lead	ppm	ASTM D5185m	>50	48	15	3
Copper	ppm	ASTM D5185m	>55	4	4	2
Tin	ppm	ASTM D5185m	>4	<1	1	1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

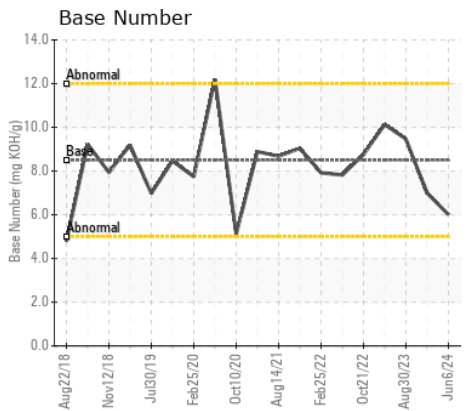
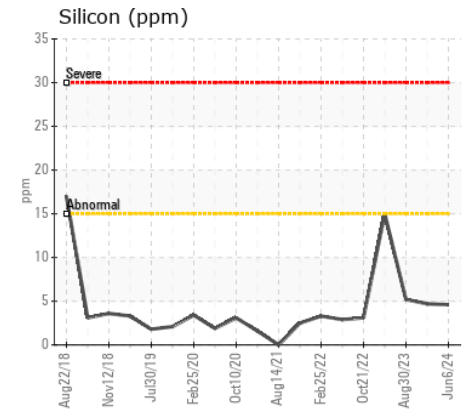
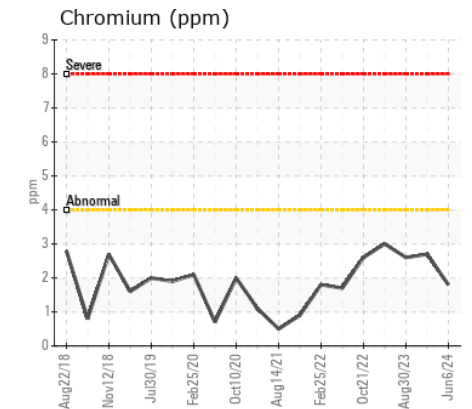
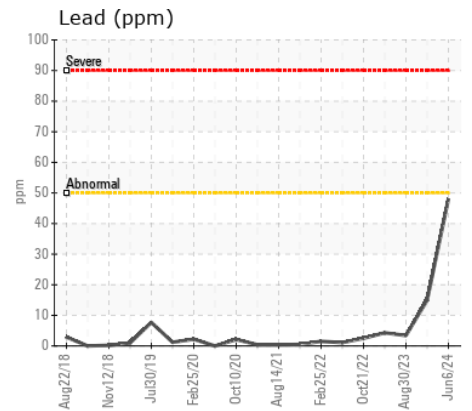
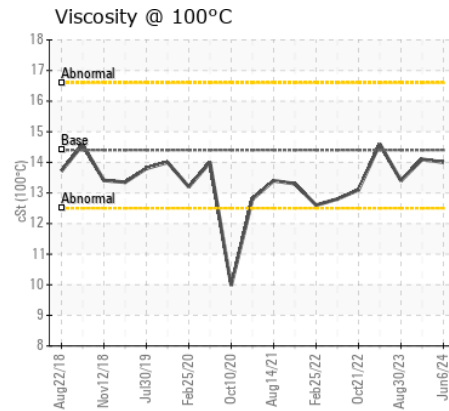
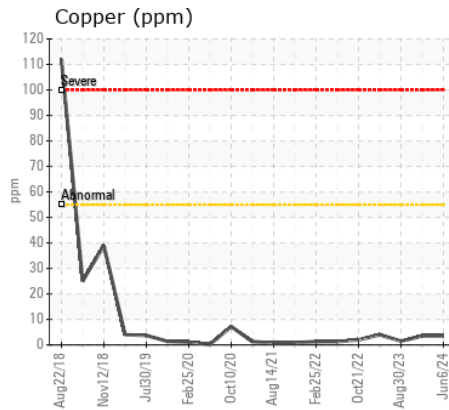
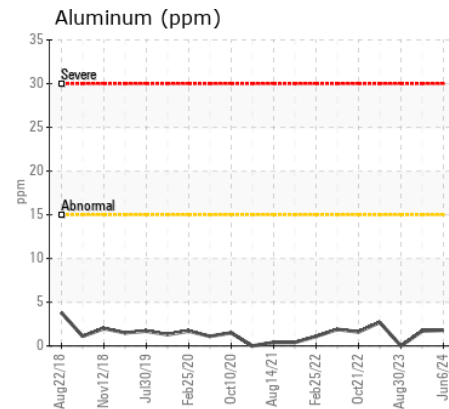
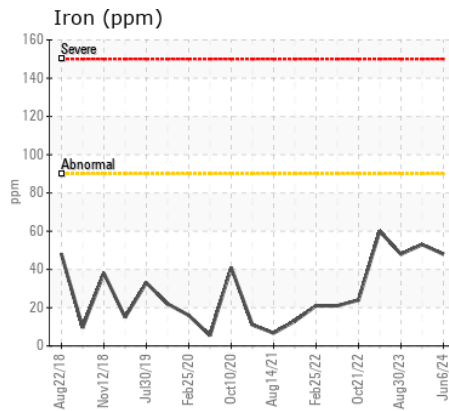
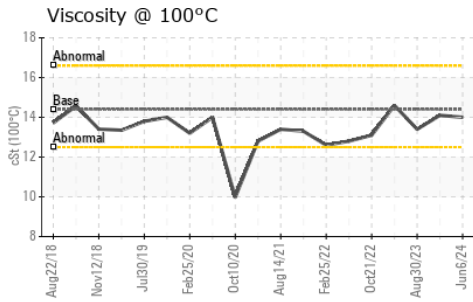
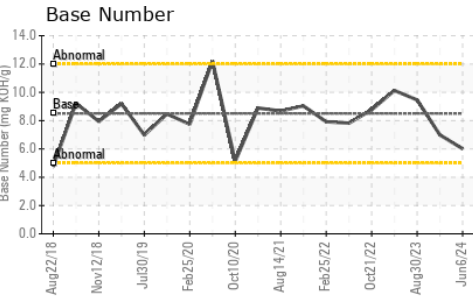
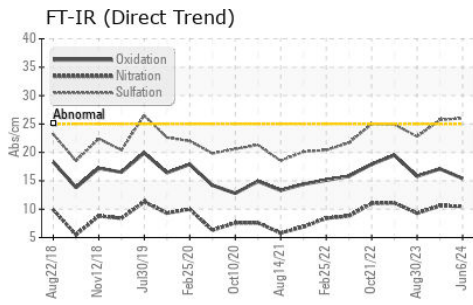
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>15	5	5	5
Potassium	ppm	ASTM D5185m	>20	<1	0	3
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>6	2.6	2.8	2.1
Nitration	Abs/cm	*ASTM D7624	>20	10.5	10.6	9.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.0	25.7	22.8
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

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

Sodium	ppm	ASTM D5185m	>158	3	4	3
Boron	ppm	ASTM D5185m	250	12	16	10
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	19	41	64
Manganese	ppm	ASTM D5185m		<1	1	1
Magnesium	ppm	ASTM D5185m	450	108	396	953
Calcium	ppm	ASTM D5185m	3000	2603	1973	1333
Phosphorus	ppm	ASTM D5185m	1150	1031	1028	1122
Zinc	ppm	ASTM D5185m	1350	1269	1247	1405
Sulfur	ppm	ASTM D5185m	4250	4227	3425	3948
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.4	17.1	15.8
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	6.01	6.99	9.46
Visc @ 100°C	cSt	ASTM D445	14.4	14.0	14.1	13.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LP0000985
Lab Number : 06210896
Unique Number : 11083760
Test Package : MOB 2

TRESCA BROS SAND & GRAVEL INC
 66 MAIN ST
 MILLIS, MA
 US 02054
 Contact: JACK GALIANO
 jgaliano@trescaconcrete.com
 T: (508)376-2957
 F: (508)376-4333

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)