



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**ADVANCE MIXER 195**  
 Component  
**Diesel Engine**  
 Fluid  
**DIESEL ENGINE OIL SAE 15W40 (10 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LP0001048</b>	PCA0109801	LP0000169
Sample Date		Client Info		<b>05 Apr 2024</b>	24 Nov 2023	15 Aug 2023
Machine Age	hrs	Client Info		<b>50000</b>	50000	50000
Oil Age	hrs	Client Info		<b>500</b>	500	500
Filter Age	hrs	Client Info		<b>500</b>	500	500
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>90	<b>11</b>	11	8
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	1
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m	>2	<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>2</b>	2	0
Lead	ppm	ASTM D5185m	>40	<b>2</b>	5	3
Copper	ppm	ASTM D5185m	>330	<b>1</b>	0	0
Tin	ppm	ASTM D5185m	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

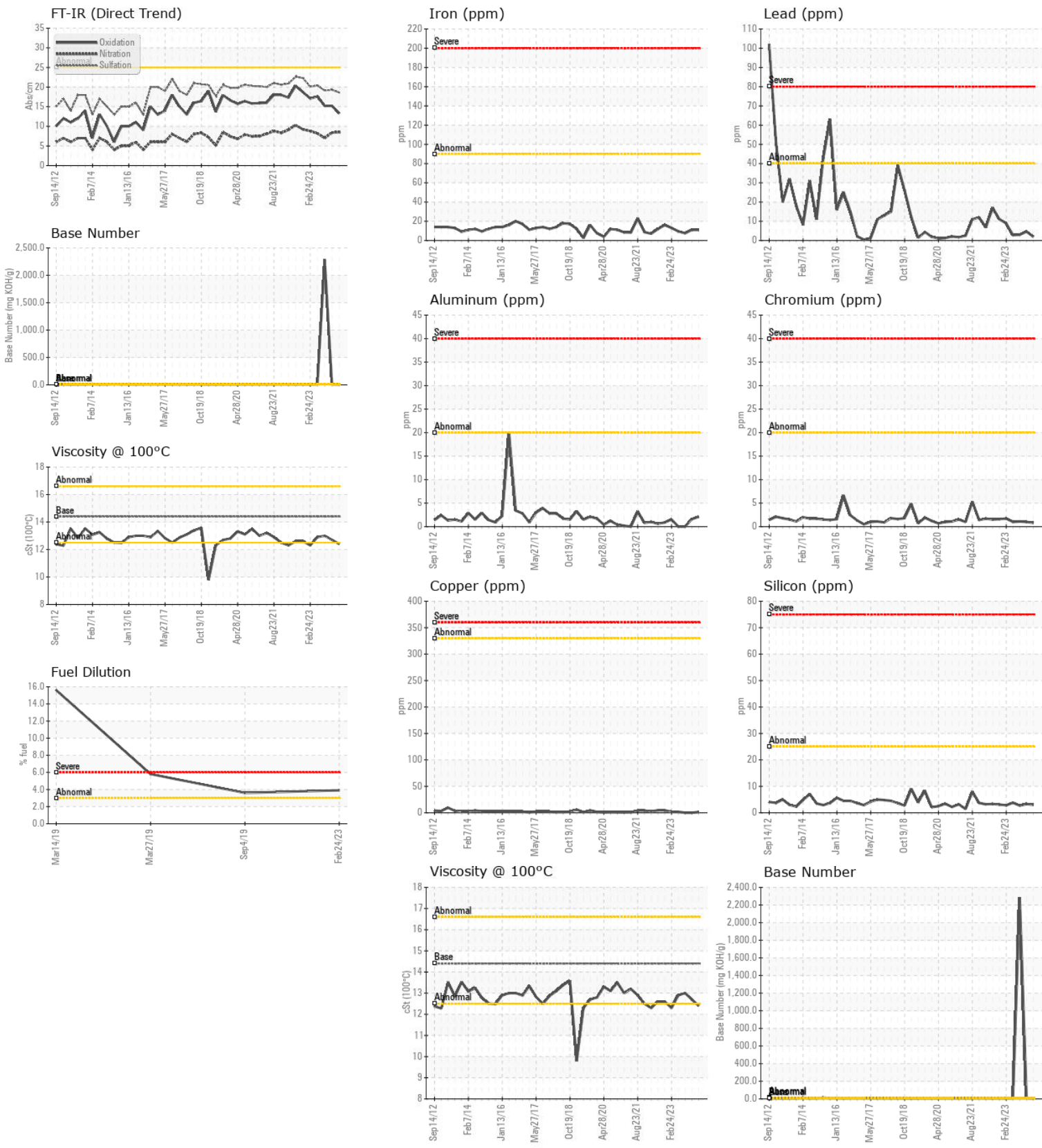
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>3</b>	3	3
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	<1
Fuel	%	ASTM D3524	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>6	<b>0.3</b>	0.4	0.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.5</b>	8.4	7.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>18.6</b>	19.3	19.1
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	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	<b>&lt;1</b>	0	0
Boron	ppm	ASTM D5185m	250	<b>20</b>	24	8
Barium	ppm	ASTM D5185m	10	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	100	<b>27</b>	50	64
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	450	<b>95</b>	459	1009
Calcium	ppm	ASTM D5185m	3000	<b>2234</b>	1680	1232
Phosphorus	ppm	ASTM D5185m	1150	<b>1021</b>	996	1161
Zinc	ppm	ASTM D5185m	1350	<b>1134</b>	1197	1437
Sulfur	ppm	ASTM D5185m	4250	<b>3637</b>	3239	4185
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>13.3</b>	15.2	15.2
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	<b>7.00</b>	10.24	2285.
Visc @ 100°C	cSt	ASTM D445	14.4	<b>12.4</b>	12.7	13.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LP0001048  
**Lab Number** : 06151303  
**Unique Number** : 10981381  
**Test Package** : MOB 2 ( Additional Tests: FuelDilution, PercentFuel )

**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)