

**OIL ANALYSIS REPORT** 

## Machine Id **76** Component **Rear Diesel Engine** Fluid **TRC MOLY XL PRO-SPEC IV XP 15W40 (10 GAL)**

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR0001343	TR0001349	TR0001150
	Sample Date		Client Info		03 May 2024	18 Jan 2024	06 Nov 2023
	Machine Age	hrs	Client Info		24753	24114	23801
	Oil Age	hrs	Client Info		952	313	23801
	Filter Age	hrs	Client Info		952	313	23801
	Oil Changed		Client Info		Not Changd	Not Changd	Changed
	Filter Changed		Client Info		Changed	Not Changd	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>100	33	13	21
	Chromium	ppm	ASTM D5185m		<1	<1	<1
	Nickel	ppm	ASTM D5185m		0	<1	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m		4	2	4
	Lead	ppm	ASTM D5185m		8	<1	4
	Copper	ppm	ASTM D5185m		12	8	14
	Tin	ppm	ASTM D5185m		1	<1	1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	0:1:			05	• • • • • • • • • • • • • • • • • • • •		
	Silicon Potassium	ppm	ASTM D5185m		8 0	8	9
There is no indication of any contamination in the oil.		ppm	ASTM D5185m			3	3
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	0/	WC Method	0	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.6	0.3	0.7
	Nitration	Abs/cm	*ASTM D7624	>20	13.4	10.6	12.1
	Sulfation	Abs/.1mm	*ASTM D7415		25.7	20.2	23.4
	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 Emulsified Water	scalar scalar	*Visual *Visual	NORML	NORML NEG	NORML NEG	NORML NEG
		Scalal	VISUAI	>0.2		NLG	NLG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4	1	5
	Boron	ppm	ASTM D5185m		3	0	6
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		145	145	118
	Manganese	ppm	ASTM D5185m		<1	0	0
	Magnesium	ppm	ASTM D5185m		20	15	40
	Calcium	ppm	ASTM D5185m		4594	4341	4422
	Phosphorus	ppm	ASTM D5185m		978	993	910
	Zinc	ppm	ASTM D5185m		1136	1101	1137
	Sulfur	ppm	ASTM D5185m		5041	5033	4221
	Oxidation	Abs/.1mm	*ASTM D7414	>25	20.3	13.1	16.7
	Base Number (BN)	mg KOH/g	ASTM D2896		12.90	15.32	11.90
		0.				15.0	1 = 0

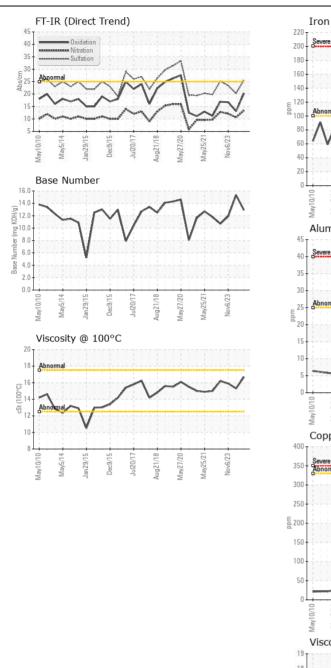
Visc @ 100°C cSt

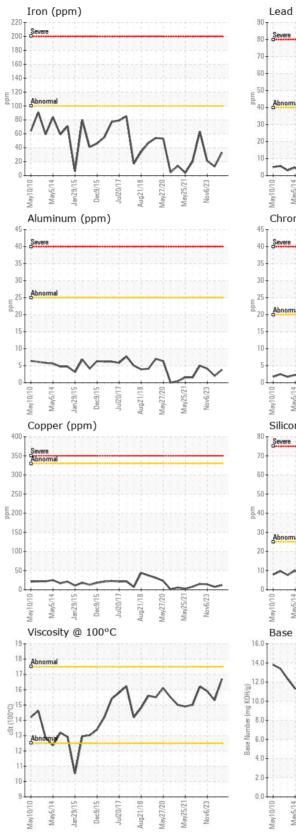
ASTM D445

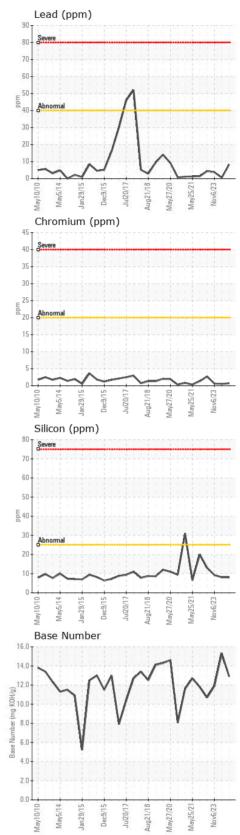
15.3

15.9

16.7









S S CONCRETE MATERIALS LLC P.O. BOX 23283 BULLHEAD CITY, AZ US 86439 Contact: MARK OPHEIM

T:

To discuss this sample report, contact Customer Service at 1-800-827-0711.

: TR0001343

\* - 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) F: (928)754-1991

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

Received

Diagnosed

Tested

:09 May 2024

: 10 May 2024

: 10 May 2024 - Wes Davis

Certificate L2367

Laboratory

Sample No.

Lab Number : 06174737

Unique Number : 11020790

Test Package : MOB 2

Submitted By: SNS INVENTORY Page 2 of 2