

OIL ANALYSIS REPORT

Machine Id INTERNATIONAL 4048 Component Diesel Engine Fluid TRC MOLY PRO-SPEC IV XP 15W40 (11 GAL)

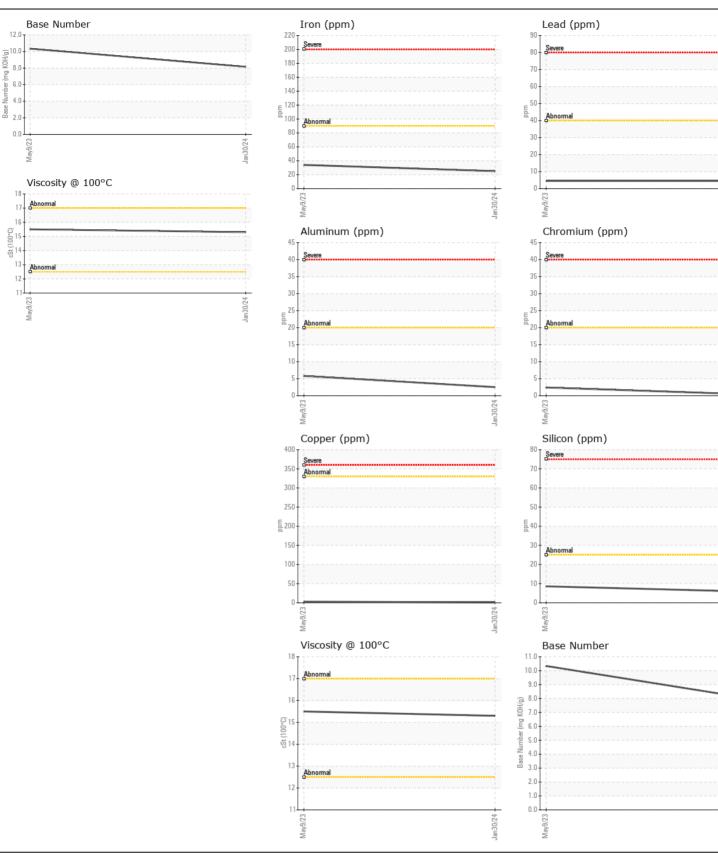
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06075018	TR05886234	
	Sample Date	mlc	Client Info		30 Jan 2024	09 May 2023	
	Machine Age	mls	Client Info		171455	108752	
	Oil Age	mls	Client Info		31876	0	
	Filter Age	mls	Client Info		31876	0	
	Oil Changed		Client Info		N/A	N/A	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>90	25	34	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1	2	
	Nickel	ppm	ASTM D5185m	>2	0	2	
	Titanium	ppm	ASTM D5185m	>2	0	<1	
	Silver	ppm	ASTM D5185m		0	<1	
	Aluminum	ppm	ASTM D5185m		2	6	
	Lead	ppm		>40	4	4	
	Copper	ppm	ASTM D5185m		<1	3	
	Tin	ppm	ASTM D5185m		0	2	
	Vanadium	ppm	ASTM D5185m		0	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m		6	9	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		10	19	
	Fuel		WC Method		<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol		WC Method	_	NEG	NEG	
	Soot %	%	*ASTM D7844		0.3	0.4	
	Nitration	Abs/cm	*ASTM D7624	>20	12.9	11.8	
	Sulfation	Abs/.1mm	*ASTM D7415		25.8	26.3	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	10	
	Boron	ppm	ASTM D5185m		0	<1	
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		۰ <1	0	
	Molybdenum	ppm	ASTM D5185m		2	2	
	Manganese	ppm	ASTM D5185m		0	2	
	Magnesium	ppm	ASTM D5185m		19	24	
	Calcium	ppm	ASTM D5185m		3675	4670	
	Phosphorus	ppm	ASTM D5185m		834	968	
	Zinc	ppm	ASTM D5185m		909	1167	
	Sulfur	ppm	ASTM D5185m		3722	4979	
	Oxidation	Abs/.1mm	*ASTM D3103111	>25	19.3	19.2	
	Base Number (BN)		ASTM D2896	-20	8.15	10.34	
	Vice @ 100°C	oC+			15.0	15.54	

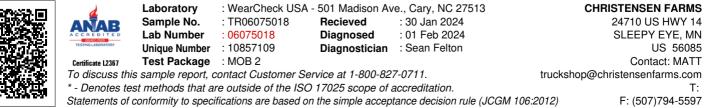
Visc @ 100°C cSt

ASTM D445

15.5

15.3





Contact/Location: MATT ? - CHRSLE

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