**OIL ANALYSIS REPORT** 

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

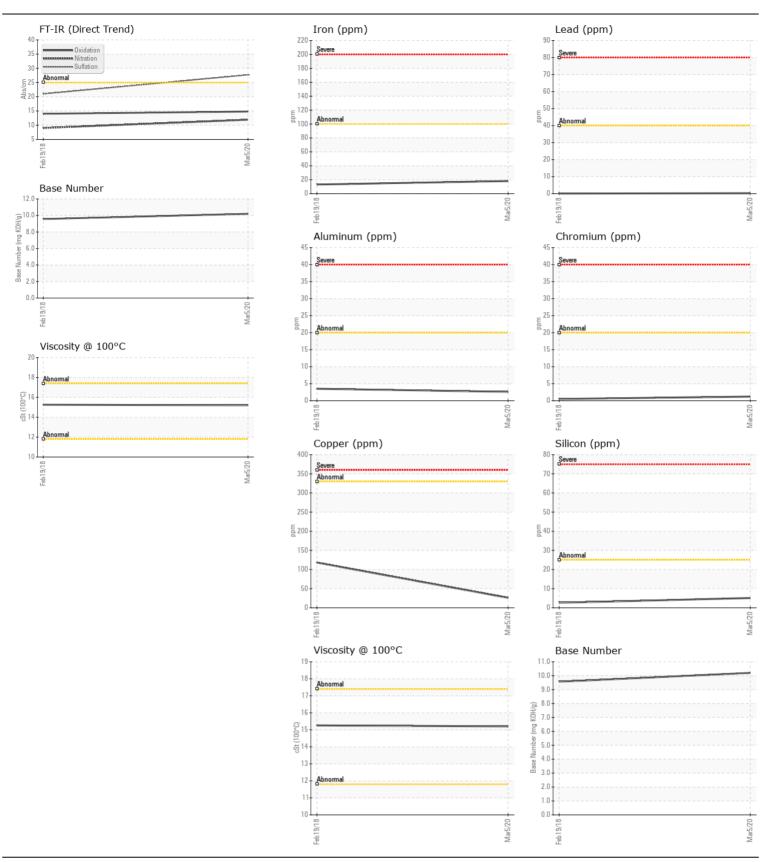
Machine Id

## CASE IH 540 QT 540 QT (S/N 000006007)

Diesel Engine

TRC MOLY XL PRO-SPEC IV XP 15W40 (7 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Resample at the next service interval to monitor.	Sample Number		Client Info		TR04929867	TR04418288	
	Sample Date		Client Info		05 Mar 2020	19 Feb 2018	
	Machine Age	hrs	Client Info		2830	1814	
	Oil Age	hrs	Client Info		470	488	
	Filter Age	hrs	Client Info		470	488	
	Oil Changed		Client Info		N/A	Changed	
	Filter Changed		Client Info		N/A	Changed	
	Sample Status				NORMAL	NORMAL	
VEAR	Iron	ppm	ASTM D5185m	>100	18	13	
	Chromium	ppm	ASTM D5185m		1	<1	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m		<1	3	
	Aluminum	ppm	ASTM D5185m		3	4	
	Lead	ppm	ASTM D5185m		<1	0	
	Copper	ppm	ASTM D5185m		26	118	
	Tin	ppm	ASTM D5185m		1	0	
	Vanadium	ppm	ASTM D5185m	710	<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
ONTAMINATION	Silicon	ppm	ASTM D5185m		5	3	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		2	2	
	Fuel		WC Method		<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844		0.2	0	
	Nitration	Abs/cm	*ASTM D7624	>20	11.9	9.	
	Sulfation	Abs/.1mm	*ASTM D7415		27.7	21.	
	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	
LUID CONDITION	Sodium	ppm	ASTM D5185m		4	7	
	Boron	ppm	ASTM D5185m		3	<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		<1	0	
	Molybdenum	ppm	ASTM D5185m		142	166	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m		124	900	
	Calcium	ppm	ASTM D5185m		4280	1759	
	Phosphorus	ppm	ASTM D5185m		945	894	
	Zinc	ppm	ASTM D5185m		1098	1257	
	Sulfur	ppm	ASTM D5185m		3702	3413	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.8	14.	
	Base Number (BN)				10.2	9.57	
	Visc @ 100°C	cSt	ASTM D445		15.2	15.26	





Certificate L2367

Laboratory Sample No.

: TR04929867 Lab Number : 04929867 Unique Number : 8954963 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Mar 2020 : 11 Mar 2020 **Tested** 

: 11 Mar 2020 - Wes Davis Diagnosed

**SLATER BROS FARM LLC** 

10001 CANAL RD HEBRON, OH US 43025

Contact: LARRY HUMPHREY

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

\* - 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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