

WEAR ABNORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Limit/Abn **Current**

History1

History2

Machine Id CASE IH 275 Component Diesel Engine Fluid TRC MOLY XL PRO-SPEC IV 15W40 (22 QTS) RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample
at the next service interval to monitor.

Test

Visc @ 100°C cSt

UOM Method

		_
1/1		
VV	EF	

The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

	Test	UOIVI	Method	LIIIII/ADII	Current	THSTOLAT	THStoryz
	Sample Number		Client Info		TR04871523	TR04784214	TR04607581
Resample	Sample Date		Client Info		25 Nov 2019	19 Aug 2019	26 Nov 2018
	Machine Age	hrs	Client Info		2552	2507	2330
	Oil Age	hrs	Client Info		222	177	213
	Filter Age	hrs	Client Info		222	177	213
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		Changed	Not Changd	Changed
	Sample Status				ABNORMAL	NORMAL	ABNORMAL
	Iron	ppm	ASTM D5185m	>100	20	16	15
nt wear	Chromium	ppm	ASTM D5185m	>20	<1	1	1
oling	Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Joinig	Titanium	ppm	ASTM D5185m	>3	0	<1	0
	Silver	ppm	ASTM D5185m	>3	<1	<1	<1
	Aluminum	ppm	ASTM D5185m	>20	3	5	3
	Lead	ppm	ASTM D5185m	>40	0	1	<1
	Copper	ppm	ASTM D5185m	>330	🔺 398	251	▲ 347
	Tin	ppm	ASTM D5185m	>15	0	0	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Silicon	ppm	ASTM D5185m	>25	3	5	2
	Potassium	ppm	ASTM D5185m	>20	1	0	<1
	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	%	*ASTM D2982		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.4	0.4	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	14.8	14.7	15
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.7	21	23.6
	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
	0				<u>^</u>		~
	Sodium	ppm	ASTM D5185m		6	7	5
ng in the	Boron	ppm	ASTM D5185m		3	1	2
3	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		189	186	151
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m	1005	942	999	894
	Calcium	ppm	ASTM D5185m	1300	1847	1855	1725
	Phosphorus	ppm	ASTM D5185m		1092	1116	1054
	Zinc	ppm	ASTM D5185m	1300	1365	1436	1204
	Sulfur	ppm	ASTM D5185m		3364	3439	3944
	Oxidation	Abs/.1mm	*ASTM D7414	>25	18.4	17.9	21.1
	Base Number (BN)	mg KOH/g	ASTM D2896	14	16.3	10.5	12.4
		0.	AOTH D415			4 5 0	

ASTM D445 15.5

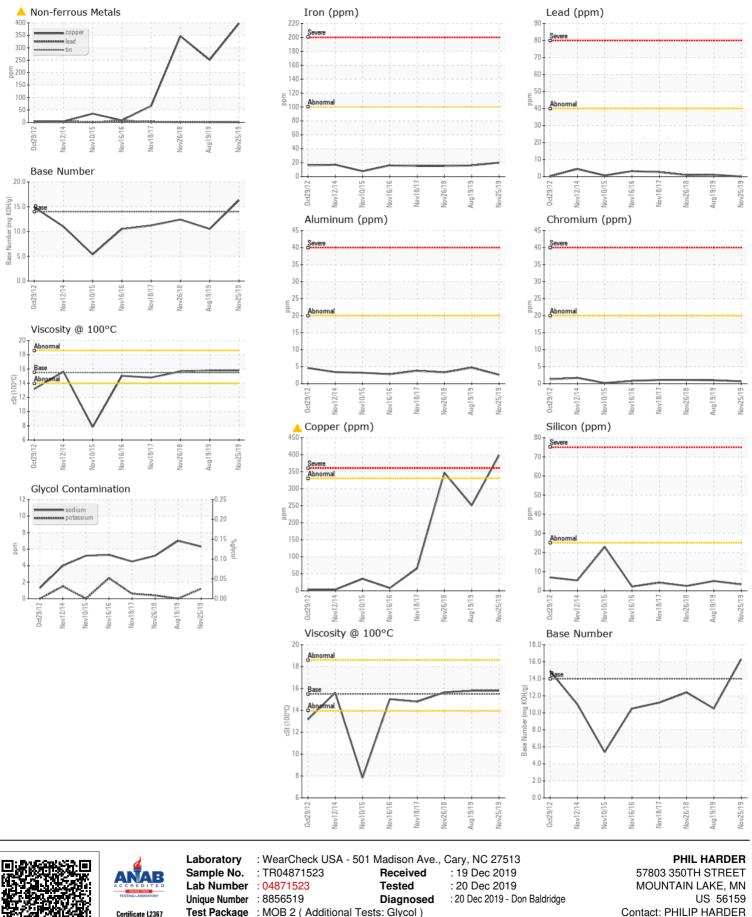
FLUID CONDITION

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

15.8

15.8

15.65



- Test Package : MOB 2 (Additional Tests: Glycol) Certificate L2367
- 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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