OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

Machine Id

CASE IH 8120 2012 CASE IH 8120

Diesel Engine

CASE IH 15W40 (9 GAL)

CASE IN 15W40 (9 GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR05408832		
	Sample Date		Client Info		09 Nov 2021		
	Machine Age	hrs	Client Info		3098		
	Oil Age	hrs	Client Info		161		
	Filter Age	hrs	Client Info		161		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				NORMAL		
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>100	13		
	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m	77	<1		
	Silver		ASTM D5185m	~3	0		
	Aluminum	ppm	ASTM D5185m		3		
	Lead	ppm	ASTM D5185m		4		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m		0		
	Vanadium		ASTM D5185m	710	0		
	White Metal	ppm scalar	*Visual	NONE	NONE		
	Yellow Metal		*Visual	NONE	NONE		
<u></u>	reliow ivietal	scalar	visuai	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	14		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	2		
	Fuel		WC Method	>5	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.6		
	Nitration	Abs/cm	*ASTM D7624	>20	8.4		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.7		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
ELLID CONDITION	Codium		ACTM DE10Em		6		
FLUID CONDITION	Sodium Boron	ppm	ASTM D5185m ASTM D5185m		408		
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		
	Molybdenum	ppm	ASTM D5185m		90		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		585		
	Calcium	ppm	ASTM D5185m		1719		
		ppm	ASTM D5185m				
	Phosphorus	ppm			1199		
	Zinc	ppm	ASTM D5185m		1331		
	Sulfur	ppm Abo/1mm	ASTM D5185m	. 25	3860		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.3		
	Base Number (BN)		ASTM D2896		7.41		
	Visc @ 100°C	cSt	ASTM D445	'	14.27		





Certificate L2367

Laboratory Sample No.

Lab Number : 05408832 Unique Number : 9752995

Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : TR05408832 : 24 Nov 2021 : 26 Nov 2021 **Tested**

: 26 Nov 2021 - Jonathan Hester Diagnosed

WEST HILLS JV 43667 LAKE RD E SPRAGUE, WA US 99032

Contact: RON GROGAN

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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