**OIL ANALYSIS REPORT** 

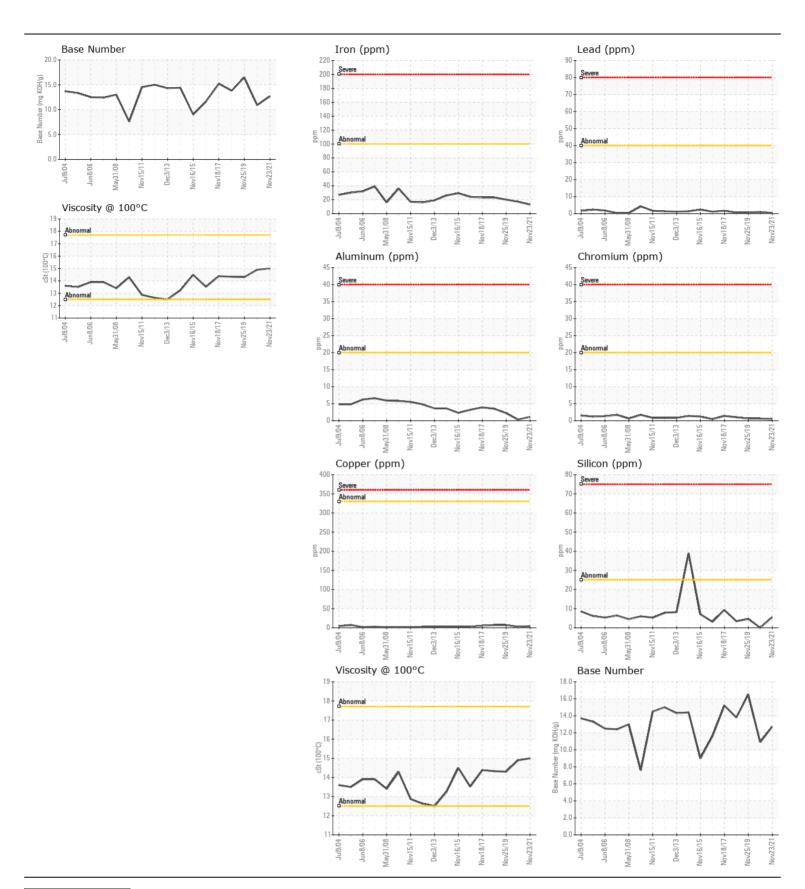
**WEAR** CONTAMINATION **FLUID CONDITION**  **NORMAL NORMAL NORMAL** 

Machine Id CASE IH 255

Diesel Engine

ECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR05441597	TR05132495	TR0487152
	Sample Date		Client Info		23 Nov 2021	07 Nov 2020	25 Nov 201
	Machine Age	hrs	Client Info		5282	5003	4677
	Oil Age	hrs	Client Info		279	326	270
	Filter Age	hrs	Client Info		279	326	270
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
EAR	Iron	ppm	ASTM D5185m	>100	13	17	20
	Chromium	ppm	ASTM D5185m		<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		1	<1	2
	Lead	ppm	ASTM D5185m		- <1	<1	<1
	Copper	ppm	ASTM D5185m		4	3	7
	Tin	ppm	ASTM D5185m		<1	<1	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
ONTAMINATION	Silicon	nnm	ASTM D5185m	<b>.</b> 25	6	0	5
ONTAMINATION	Potassium	ppm	ASTM D5185m	-	2	0	<1
There is no indication of any contamination in the oil.	Fuel	ppm	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	>0.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	~3	0.2	0.2	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	9.6	10.1	11.9
	Sulfation	Abs/.1mm	*ASTM D7415		20	20.6	19.5
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Sodium	ppm	ASTM D5185m		5	7	5
	Boron	ppm	ASTM D5185m		<1	4	3
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		143	144	157
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		29	242	871
	Calcium	ppm	ASTM D5185m		4432	3645	1686
	Phosphorus	ppm	ASTM D5185m		914	977	1015
	Zinc	ppm	ASTM D5185m		1004	1143	1284
	Sulfur	ppm	ASTM D5185m	0.5	3531	3678	3221
	Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25	12 12.7	13.5 10.9	14.9 16.5
	Race Number (RNI)	THE K DHA	A5 11/1 11/896		12.7	10.9	16.5

Contact/Location: PHILIP HARDER - PHIMOU







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 9805790

: TR05441597 : 05441597 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Jan 2022 **Tested** 

: 12 Jan 2022 Diagnosed

: 12 Jan 2022 - Wes Davis

US 56159 Contact: PHILIP HARDER philbren@frontiernet.net

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)

F:

**PHIL HARDER** 

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