

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **HINO HYZ1825T**

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Metal levels are typical for a new component breaking in.

Contamination

Fuel content negligible. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

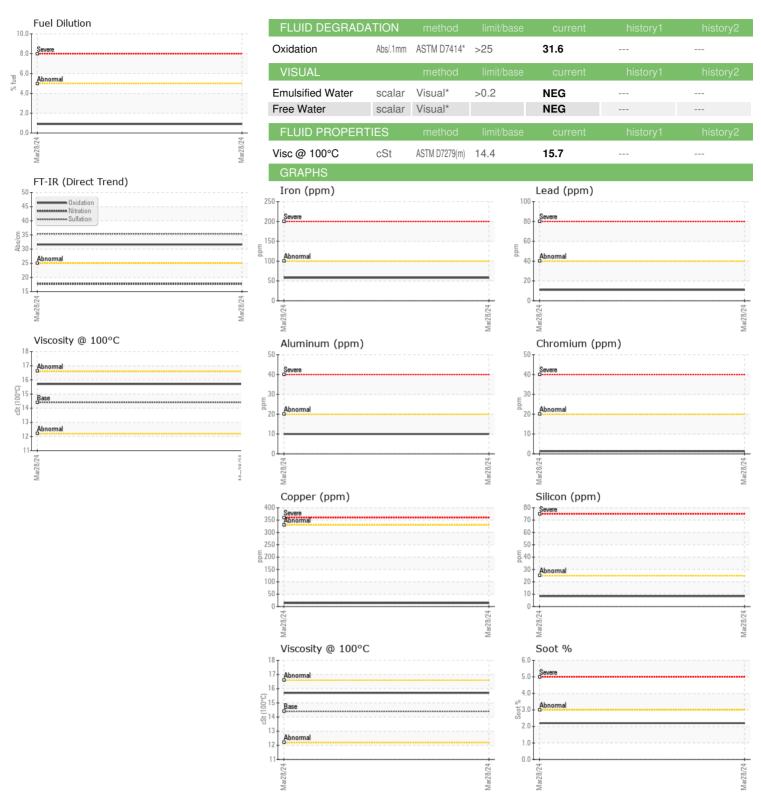
Fluid Condition

The condition of the oil is acceptable for the time in service.

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SAMPLE INFORM	AATION.	method	limit/base	ourrant	hiotonul	hioton/2
	MATION		IIIIIIVDase	current	history1	history2
Sample Number		Client Info		WC0889865		
Sample Date		Client Info		28 Mar 2024		
Machine Age	kms	Client Info		107512		
Oil Age	kms	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	58		
Chromium	ppm	ASTM D5185(m)	>20	1		
Nickel	ppm	ASTM D5185(m)	>4	- <1		
Titanium	ppm	ASTM D5185(m)		<1		
Silver	ppm	ASTM D5185(m)	>3	<1		
Aluminum	ppm	ASTM D5185(m)	>20	10		
Lead	ppm	ASTM D5185(m)	>40	11		
Copper	ppm	ASTM D5185(m)	>330	14		
Tin	ppm	ASTM D5185(m)	>15	<1		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	13		
Barium	ppm	ASTM D5185(m)	10	0		
Molybdenum	ppm	ASTM D5185(m)	100	75		
Manganese	ppm	ASTM D5185(m)		2		
Magnesium	ppm	ASTM D5185(m)	450	89		
Calcium	ppm	ASTM D5185(m)	3000	2384		
Phosphorus	ppm	ASTM D5185(m)	1150	997		
Zinc	ppm	ASTM D5185(m)	1350	1269		
Sulfur	ppm	ASTM D5185(m)	4250	3083		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	8		
Sodium	ppm	ASTM D5185(m)	>158	6		
Potassium	ppm	ASTM D5185(m)	>20	11		
Fuel	%	ASTM D7593*	>5	0.9		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	2.2		
Nitration	Abs/cm	ASTM D7624*	>20	17.7		
Sulfation	Abs/.1mm	ASTM D7415*	>30	35.4		



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WC0889865 Lab Number : 02628432 Unique Number : 5761564

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received **Tested**

: 16 Apr 2024 Diagnosed : 16 Apr 2024 - Kevin Marson Test Package : MOB 1 (Additional Tests: FUELDILUTION, PercentFuel)

: 12 Apr 2024

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

BRITANNIA FLEET SERVICES

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