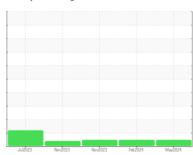


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **HEB MLU3** Component Outboard Pump

{not provided} (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

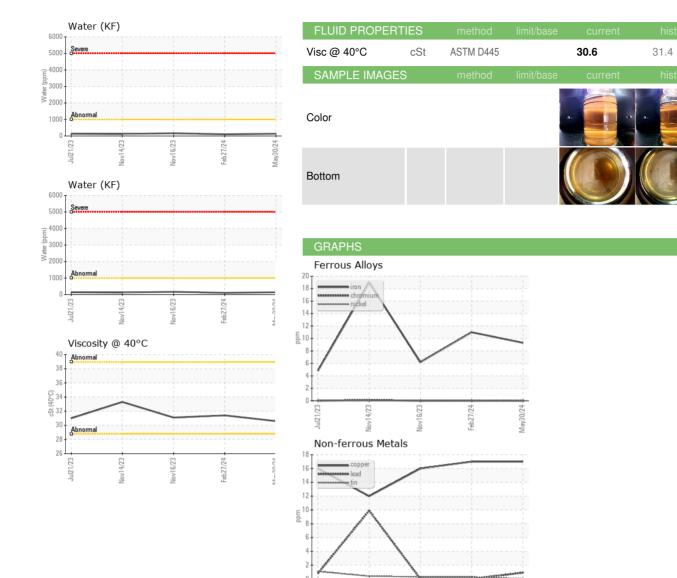
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Jul2023	Nov2023	Nov2023 Feb2024	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0036064	RP0039988	RP0036154
Sample Date		Client Info		30 May 2024	27 Feb 2024	16 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	9	11	6
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	0	0	0
Lead	ppm	ASTM D5185m	>12	<1	0	0
Copper	ppm	ASTM D5185m	>30	17	17	16
Tin	ppm	ASTM D5185m	>9	0	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		65	63	46
Calcium	ppm	ASTM D5185m		1	<1	0
Phosphorus	ppm	ASTM D5185m		18	14	0
Zinc	ppm	ASTM D5185m		46	33	27
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	<1	0	<1
Sodium	ppm	ASTM D5185m		1	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304		0.014	0.010	0.016
opm Water	ppm	ASTM D6304	>1000	141	103	165
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.30	0.30	0.29
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Siit		*\ /' I	NONE	NONE	NONE	LIGHT
	scalar	*Visual	NONL	NONE	110112	
Debris	scalar scalar	*Visual	NONE	NONE	NONE	NONE
Debris Sand/Dirt						
Debris Sand/Dirt Appearance Odor	scalar	*Visual	NONE	NONE	NONE	NONE
Debris Sand/Dirt Appearance	scalar scalar	*Visual	NONE NORML	NONE NORML NORML NEG	NONE NORML	NONE NORML NORML NEG



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06202840

₹ 32

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: RP0036064 Unique Number : 11070301 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 07 Jun 2024 **Tested** : 10 Jun 2024

Diagnosed : 10 Jun 2024 - Don Baldridge

HEBRON, KY

Acid Number

를 0.10

0.00

US 41048 Contact: Service Manager

ENERGY TRANSFER - HEBRON

31.1

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Viscosity @ 40°C

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: ENEHEB [WUSCAR] 06202840 (Generated: 06/10/2024 13:42:15) Rev: 1

Contact/Location: Service Manager - ENEHEB

T:

F: