

Area

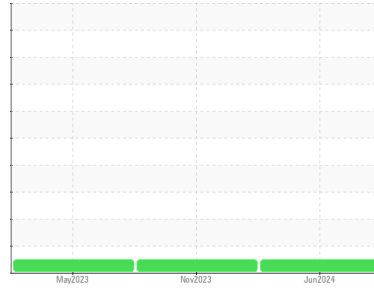
JBS 310 PLUS

Machine Id

93422 - PERMA PIPE

Component

Compressor



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	JHF06213580	UCH06010994	UCH05843437
Sample Date	Client Info	11 Jun 2024	07 Nov 2023	03 May 2023
Machine Age	hrs	Client Info	46526	46472
Oil Age	hrs	Client Info	89	35
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION method limit/base current history1 history2

Water	WC Method	>0.1	NEG	NEG	NEG
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WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>50	6	<1	4
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	0	<1
Tin	ppm	ASTM D5185m	>15	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185m	0.3	0	0	0
Barium	ppm	ASTM D5185m	0.3	0	0	2
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0.9	0	0	0
Magnesium	ppm	ASTM D5185m	0.2	0	0	<1
Calcium	ppm	ASTM D5185m	0.1	0	0	0
Phosphorus	ppm	ASTM D5185m	429	464	458	425
Zinc	ppm	ASTM D5185m	0.3	14	9	23
Sulfur	ppm	ASTM D5185m	1336	1236	989	433

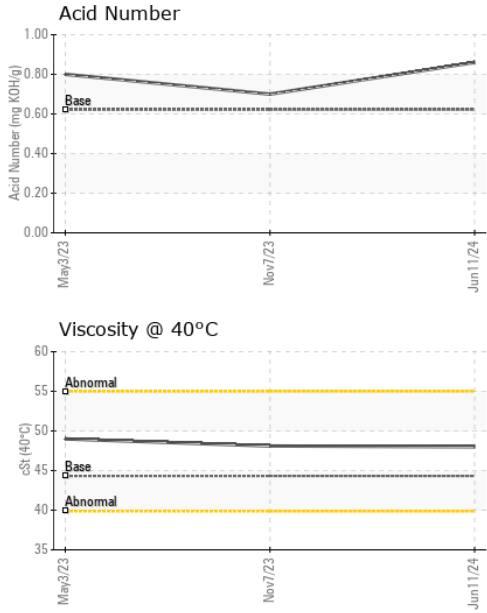
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>25	0	0	0
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1

FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D8045	0.622	0.86	0.70	0.80
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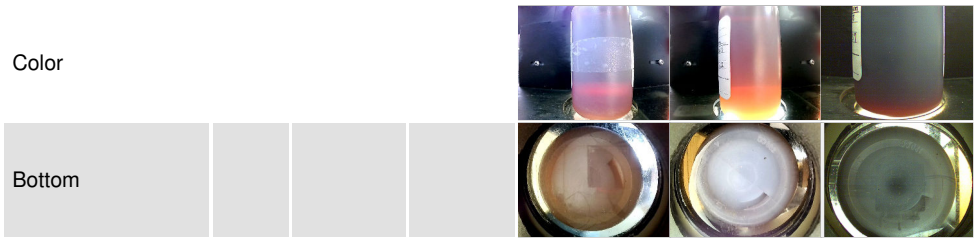
OIL ANALYSIS REPORT



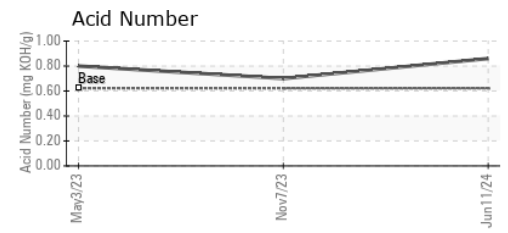
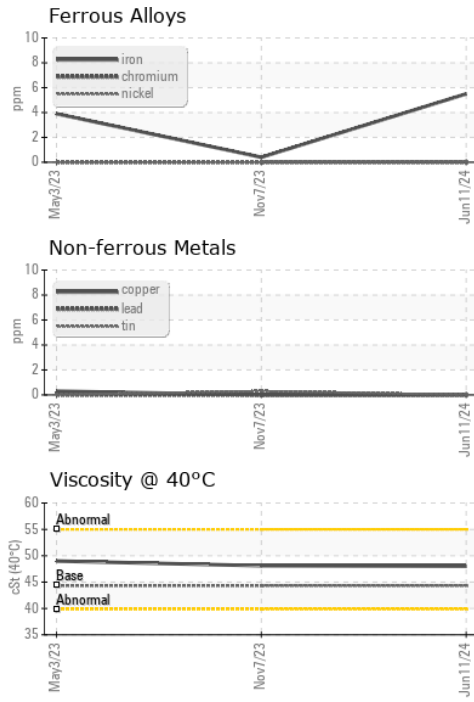
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	44.32	48.0	48.1	49.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JHF06213580 **Received** : 18 Jun 2024
Lab Number : **06213580** **Tested** : 20 Jun 2024
Unique Number : 11086444 **Diagnosed** : 20 Jun 2024 - Wes Davis
Test Package : IND 2

JOHN BOUCHARD & SONS
 1024 HARRISON ST.
 NASHVILLE, TN
 US 37203
 Contact: STEVE SANDERS
 Steve.sanders@jbouchard.com

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.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (865)544-1400