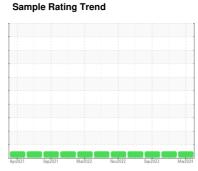


OIL ANALYSIS REPORT

JBS 258-46 **GARDNER DENVER S094260 - 1 - SUMITOMO**

Component





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

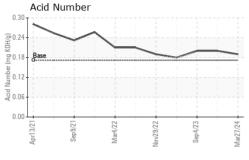
Fluid Condition

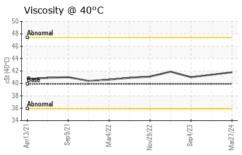
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sample Number Client Info UCH06136489 UCH06059378 UCH06977775 Sample Date Client Info 27 Mar 2024 27 Nov 2023 04 Sep 2023 Machine Age hrs Client Info 65115 63833 63757 Oil Age hrs Client Info 1700 100 14 Oil Changed Client Info N/A N/A			Apr2021	Sep.2021 Mar2022	Nov2022 Sep2023	Mar2024	
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 65115 63833 63757 Oil Age hrs Client Info 1700 100 14 Oil Changed Client Info N/A N/A N/A N/A Sample Status NORMAL NORMAL NORMAL NORMAL NORMAL CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 0 2 Chromium ppm ASTM D5185m >10 0 0 0 Nikel ppm ASTM D5185m >0 0 0 0 Silver ppm ASTM D5185m >25 <1	Sample Number		Client Info		UCH06136489	UCH06059378	UCH05977734
Machine Age hrs Client Info 65115 63833 63757 Oil Age hrs Client Info 1700 100 14 Oil Changed Client Info N/A N/A N/A Sample Status NORMAL NORMAL NORMAL NORMAL CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 0 2 Kornium ppm ASTM D5185m >10 0 0 0 Nickel ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m >25 <1	Sample Date		Client Info		27 Mar 2024	27 Nov 2023	04 Sep 2023
Coling C		hrs	Client Info		65115	63833	63757
NORMAL NORMAL NORMAL NORMAL	Oil Age	hrs	Client Info		1700	100	14
NORMAL NORMAL NORMAL NORMAL	Oil Changed		Client Info		N/A	N/A	N/A
Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 0 2 Chromium ppm ASTM D5185m >10 0 0 0 Nickel ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 0 0 0 0 Aluminum ppm ASTM D5185m >25 <1					NORMAL	NORMAL	NORMAL
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 0 2 Chromium ppm ASTM D5185m 10 0 0 0 Nickel ppm ASTM D5185m 0 1 0 0 Silver ppm ASTM D5185m 0 0 0 0 Aluminum ppm ASTM D5185m >25 <1	CONTAMINATIO	N	method	limit/base	current	history1	history2
Iron	Water		WC Method	>0.1	NEG	NEG	NEG
Chromium ppm ASTM D5185m >10 0 0 0 Nickel ppm ASTM D5185m 0 1 0 Titanium ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m 0 0 0 Aluminum ppm ASTM D5185m >25 <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>50	0	0	2
Titanium	Chromium	ppm	ASTM D5185m	>10	0	0	0
Silver	Nickel	ppm	ASTM D5185m		0	1	0
Aluminum ppm ASTM D5185m >25 <1 2 0 Lead ppm ASTM D5185m >25 0 <1	Titanium	ppm	ASTM D5185m		0	0	0
Lead	Silver	ppm	ASTM D5185m		0	0	0
Copper ppm ASTM D5185m >50 0 <1 <1 Tin ppm ASTM D5185m >15 0 0 <1	Aluminum	ppm	ASTM D5185m	>25	<1	2	0
Tin	Lead	ppm	ASTM D5185m	>25	0	<1	<1
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 0.0 0 0 0 Barium ppm ASTM D5185m 0.0 0 0 0 Molybdenum ppm ASTM D5185m 0.0 0 0 0 Magnesium ppm ASTM D5185m 0.0 0 <1 0 Magnesium ppm ASTM D5185m 0.0 0 <1 0 Calcium ppm ASTM D5185m 0.0 0 <1 0 Phosphorus ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 1309 1214 683 729 CONTAMINANTS method limit/base current history1 history2 <td>Copper</td> <td>ppm</td> <td>ASTM D5185m</td> <td>>50</td> <th>0</th> <td><1</td> <td><1</td>	Copper	ppm	ASTM D5185m	>50	0	<1	<1
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0.0 0 0 0 Barium ppm ASTM D5185m 0.0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Magnese ppm ASTM D5185m 0 0 <1	Tin	ppm	ASTM D5185m	>15	0	0	<1
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0.0 0 0 0 Barium ppm ASTM D5185m 0.0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0.0 0 <1	Vanadium	ppm	ASTM D5185m		0	0	0
Boron ppm ASTM D5185m 0.0 0 0 0 Barium ppm ASTM D5185m 0.0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 0 <1 0 Magnesium ppm ASTM D5185m 0.0 0 <1 0 Calcium ppm ASTM D5185m 0.0 0 0 0 0 Phosphorus ppm ASTM D5185m 0 0 0 0 0 Zinc ppm ASTM D5185m 0 0 0 0 0 Sulfur ppm ASTM D5185m >25 <1 1 1 1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 0 0 0 Potassium ppm AST	Cadmium	ppm	ASTM D5185m		0	0	0
Barium ppm ASTM D5185m 0.0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 0 <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 0 <1 0 Magnesium ppm ASTM D5185m 0.0 0 <1 0 Calcium ppm ASTM D5185m 0.0 0 0 0 Phosphorus ppm ASTM D5185m 966 356 428 421 Zinc ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 1309 1214 683 729 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1 <1 1 Sodium ppm ASTM D5185m >20 0 0 <1 FLUID DEGRADATION method limit/base current history1 history2	Boron	ppm	ASTM D5185m	0.0	0	0	0
Manganese ppm ASTM D5185m 0 0 <1 0 Magnesium ppm ASTM D5185m 0.0 0 <1	Barium	ppm	ASTM D5185m	0.0	0	0	0
Magnesium ppm ASTM D5185m 0.0 0 <1 0 Calcium ppm ASTM D5185m 0.0 0 0 0 Phosphorus ppm ASTM D5185m 966 356 428 421 Zinc ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 1309 1214 683 729 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1 <1 1 Sodium ppm ASTM D5185m >20 0 0 <1 FLUID DEGRADATION method limit/base current history1 history2	Molybdenum	ppm	ASTM D5185m	0	0	0	0
Calcium ppm ASTM D5185m 0.0 0 0 0 Phosphorus ppm ASTM D5185m 966 356 428 421 Zinc ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 1309 1214 683 729 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1	Manganese	ppm	ASTM D5185m	0	0	<1	0
Phosphorus ppm ASTM D5185m 966 356 428 421 Zinc ppm ASTM D5185m 0 0 0 0 0 Sulfur ppm ASTM D5185m 1309 1214 683 729 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1 <1 1 Sodium ppm ASTM D5185m 0 0 0 0 Potassium ppm ASTM D5185m >20 0 0 <1 FLUID DEGRADATION method limit/base current history1 history2	Magnesium	ppm	ASTM D5185m	0.0	0	<1	0
Zinc ppm ASTM D5185m 0 0 0 0 0 Sulfur ppm ASTM D5185m 1309 1214 683 729 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1 <1 1 Sodium ppm ASTM D5185m 0 0 0 0 Potassium ppm ASTM D5185m >20 0 0 <1 FLUID DEGRADATION method limit/base current history1 history2	Calcium	ppm	ASTM D5185m	0.0	0	0	0
Sulfur ppm ASTM D5185m 1309 1214 683 729 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1 <1 1 Sodium ppm ASTM D5185m 0 0 0 Potassium ppm ASTM D5185m >20 0 0 <1 FLUID DEGRADATION method limit/base current history1 history2	Phosphorus	ppm	ASTM D5185m	966	356	428	421
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1	Zinc	ppm	ASTM D5185m	0	0	0	0
Silicon ppm ASTM D5185m >25 <1 <1 1 Sodium ppm ASTM D5185m 0 0 0 0 Potassium ppm ASTM D5185m >20 0 0 <1 FLUID DEGRADATION method limit/base current history1 history2	Sulfur	ppm	ASTM D5185m	1309	1214	683	729
Sodium ppm ASTM D5185m 0 0 0 Potassium ppm ASTM D5185m >20 0 0 <1 FLUID DEGRADATION method limit/base current history1 history2	CONTAMINANTS	6	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 0 0 <1 FLUID DEGRADATION method limit/base current history1 history2	Silicon	ppm	ASTM D5185m	>25	<1	<1	1
FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185m		0	0	0
	Potassium	ppm	ASTM D5185m	>20	0	0	<1
Acid Number (AN) mg KOH/g ASTM D8045 0.172 0.19 0.20 0.20	FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.172	0.19	0.20	0.20



OIL ANALYSIS REPORT





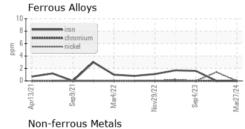
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	39.9	41.8	41.4	41.0

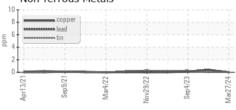
SAMPLE IMAGES

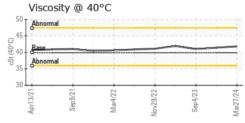
Color

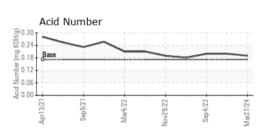
Bottom















Certificate L2367

Laboratory Sample No.

Test Package : IND 2

: UCH06136489 Lab Number : 06136489 Unique Number: 10955954

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 02 Apr 2024 **Tested** : 03 Apr 2024

Diagnosed : 04 Apr 2024 - Sean Felton **JOHN BOUCHARD & SONS** 1024 HARRISON ST.

NASHVILLE, TN US 37203

Contact: STEVE SANDERS Steve.sanders@jbouchard.com T:

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.

F: (865)544-1400

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

Contact/Location: STEVE SANDERS - UCJOHNAS