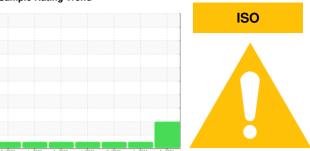


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# HASKEL CO WHEELS & BRAKE (S/N 1098-706)

Reciprocating Compressor

ROYCO RED (2 GAL)

### DIAGNOSIS

#### Recommendation

The oil change at the time of sampling has been noted. We recommend you service the filters on this component. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

## Contamination

There is a high amount of particulates present in the oil.

#### **Fluid Condition**

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

		0ct2022	Jan2023 Apr2023	Jul2023 Oct2023 Jan2024	Apr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0869393	WC0869396	WC0749113
Sample Date		Client Info		16 Apr 2024	19 Jan 2024	09 Oct 2023
Machine Age	hrs	Client Info		0	200	200
Oil Age	hrs	Client Info		200	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		<1	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	0
Tin	ppm	ASTM D5185m	>15	<1	0	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	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		1	0	4
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		437	444	452
Zinc	ppm	ASTM D5185m		0	2	0
Sulfur	ppm	ASTM D5185m		0	105	120
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	<1
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water	%	ASTM D6304		- NEG	NEG	0.006
ppm Water	ppm	ASTM D6304	>1000			63.3
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	9874	1862	7226
Particles >6µm		ASTM D7647	>2500	<b>4680</b>	277	1786
Particles >14µm		ASTM D7647	>320	<u> </u>	25	121
Particles >21µm		ASTM D7647		<b>^</b> 584	8	31
Particles >38µm		ASTM D7647	>20	<b>48</b>	0	1
Particles >71μm		ASTM D7647	>4	2	0	1
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>^</u> 20/19/17	18/15/12	20/18/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.042	0.202	0.206



## OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: 06159532 Unique Number : 10994955

Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0869393 Received : 24 Apr 2024 **Tested** 

: 26 Apr 2024 : 26 Apr 2024 - Jonathan Hester

Diagnosed

US 33178 Contact: SANDRA LOPEZ sandra.lopez@aarcorp.com

9371 NW 100TH STREET

**AAR LANDING GEAR SERVICES** 

T: (305)887-4027 F: (305)887-6930

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

 $^st$  - 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) MIAMI, FL