

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

IR COMPRESSOR 4 (S/N F37161U00007)

Screw Compressor

ROYAL PURPLE SYNFILM 46 (26 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	3 Sep2023	Dec2023 J	un2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0037236	RP0035996	RP0035989
Sample Date		Client Info		01 Jun 2024	06 Dec 2023	10 Sep 2023
Machine Age	hrs	Client Info		35413	32404	31298
Oil Age	hrs	Client Info		0	0	31298
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>60	0	0	<1
Chromium	ppm	ASTM D5185m	>4	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	>5	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>30	<1	2	2
Tin	ppm	ASTM D5185m	>15	0	0	0
Vanadium	ppm	ASTM D5185m		<1	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		<1	<1	<1
Magnesium	ppm	ASTM D5185m		54	52	35
Calcium	ppm	ASTM D5185m		<1	2	0
Phosphorus	ppm	ASTM D5185m		<1	<1	4
Zinc	ppm	ASTM D5185m		19	0	12
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	<1	<1
Sodium	ppm	ASTM D5185m		6	9	6
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water	%	ASTM D6304	>0.1	0.019	0.015	0.014
ppm Water	ppm	ASTM D6304	>1000	199	158	141.5
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.25	0.35	0.30	0.30
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

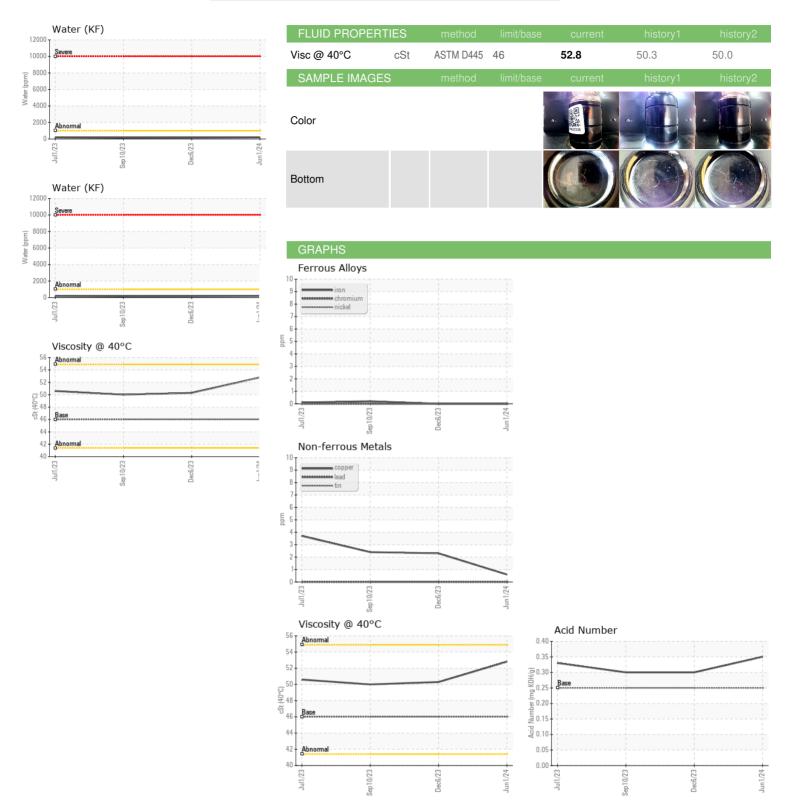
Supposited By: JOELE PROW

NEG

scalar *Visual



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Laboratory Sample No.

: RP0037236 Lab Number : 06202866 Unique Number : 11070327

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

: 07 Jun 2024 **Tested** : 10 Jun 2024 Diagnosed : 10 Jun 2024 - Don Baldridge

520 JD YARNELL INDUSTRIAL PKWY

CLINTON, TN US 37716 Contact: JOEL SPROW

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CARLSTAR GROUP

Test Package : IND 2 Certificate 12367 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)

Report Id: CARCLITN [WUSCAR] 06202866 (Generated: 06/10/2024 13:58:36) Rev: 1

Submitted By: JOEL SPROW