

OIL ANALYSIS REPORT

ISO

Machine Id Component Reciprocating Compressor Fluid {not provided} (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

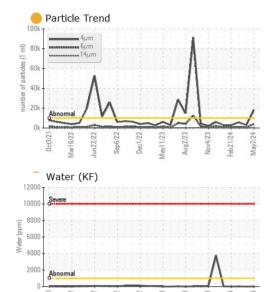
The condition of the oil is suitable for further service.

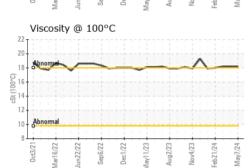
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2		
		Client Info		TO50002566	TO60000869	TO50001896		
Sample Number		Client Info		07 May 2024	19 Apr 2024	06 Mar 2024		
Sample Date Machine Age	hrs	Client Info		07 Way 2024	19 Apr 2024 0	00 101a1 2024		
Oil Age	hrs	Client Info		0	0	0		
Oil Changed	1115	Client Info		U N/A	0 N/A	N/A		
Sample Status				ATTENTION	NORMAL	NORMAL		
-					-	NORIVIAL		
WEAR METALS		method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>50	<1	0	0		
Chromium	ppm	ASTM D5185m	>10	<1	0	0		
Nickel	ppm	ASTM D5185m		0	0	0		
Titanium	ppm	ASTM D5185m		<1	0	0		
Silver	ppm	ASTM D5185m		0	0	0		
Aluminum	ppm	ASTM D5185m	>25	1	0	0		
Lead	ppm	ASTM D5185m	>25	0	<1	0		
Copper	ppm	ASTM D5185m	>50	<1	0	0		
Tin	ppm	ASTM D5185m	>15	<1	<1	0		
Vanadium	ppm	ASTM D5185m		<1	0	0		
Cadmium	ppm	ASTM D5185m		<1	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		<1	0	0		
Manganese	ppm	ASTM D5185m		0	<1	0		
Magnesium	ppm	ASTM D5185m		7	11	10		
Calcium	ppm	ASTM D5185m		11	13	13		
Phosphorus	ppm	ASTM D5185m		22	27	22		
Zinc	ppm	ASTM D5185m		9	7	6		
Sulfur	ppm	ASTM D5185m		2579	2697	2714		
CONTAMINANTS		method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	2	1	<1		
Sodium	ppm	ASTM D5185m		_ <1	0	<1		
Potassium	ppm	ASTM D5185m	>20	1	2	0		
Water	%	ASTM D6304	>0.1	0.001	0.000	0.002		
ppm Water	ppm	ASTM D6304	>1000	4	0	17		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2		
Particles >4µm		ASTM D7647	>10000	18166	2966	5706		
Particles >6µm		ASTM D7647		93987	545	1127		
Particles >14µm		ASTM D7647	>320	167	30	58		
Particles >21µm		ASTM D7647		35	5	11		
Particles >38µm		ASTM D7647	>20	0	0	0		
Particles >71µm		ASTM D7647		0	0	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	21/19/15	19/16/12	20/17/13		
FLUID DEGRADA		method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D8045		0.075	0.073	0.077		

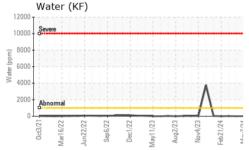
Contact/Location: DUSTIN FRY - GARROW Page 1 of 2

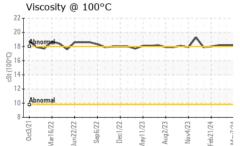


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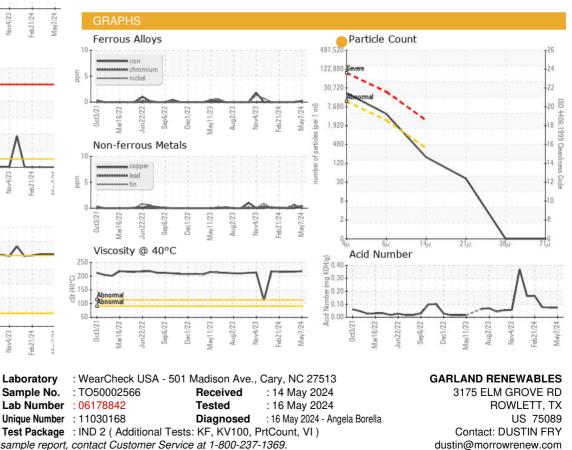


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		218	216	216
Visc @ 100°C	cSt	ASTM D445		18.2	18.2	18.2
Viscosity Index (VI)	Scale	ASTM D2270		91	92	92
SAMPLE IMAGES		method	limit/base	current	history1	history2



Bottom

Color



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)

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Certificate 12367

Contact/Location: DUSTIN FRY - GARROW

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