

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id Component Reciprocating Compressor Fluid NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60000191	TO60000190	TO60000185
Sample Date		Client Info		06 Oct 2022	06 Sep 2022	03 Aug 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	0
Chromium	ppm	ASTM D5185m		0	0	0
Nickel		ASTM D5185m	210	0	0	0
	ppm	ASTM D5185m		0	0	0
Titanium	ppm			-		
Silver	ppm	ASTM D5185m	05	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	<1	<1
Tin	ppm	ASTM D5185m	>15	0	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	<1	0
Barium	ppm	ASTM D5185m		0	<1	3
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		2	4	5
Calcium	ppm	ASTM D5185m		2	4	6
Phosphorus	ppm	ASTM D5185m		19	32	21
Zinc	ppm	ASTM D5185m		3	9	12
Sulfur	ppm	ASTM D5185m		3343	2921	2418
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	3	<1
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.1	0.008	0.005	0.004
ppm Water	ppm	ASTM D6304	>1000	81.7	54.8	43.0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	6972	5985	▲ 25840
Particles >6µm		ASTM D7647	>2500	1209	913	1399
Particles >14µm		ASTM D7647	>320	101	42	41
Particles >21µm		ASTM D7647	>80	21	9	9
Particles >38μm		ASTM D7647	>20	1	1	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/17/14	20/17/13	22/18/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.098	0.029	0.016

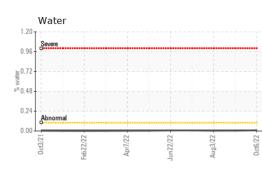
Contact/Location: DUSTIN FRY - GARROW

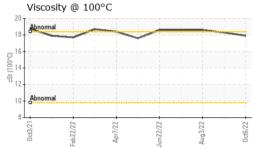


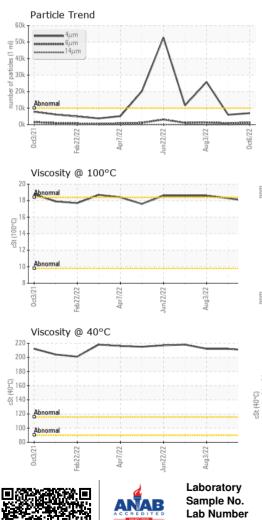
OIL ANALYSIS REPORT

Color

Bottom

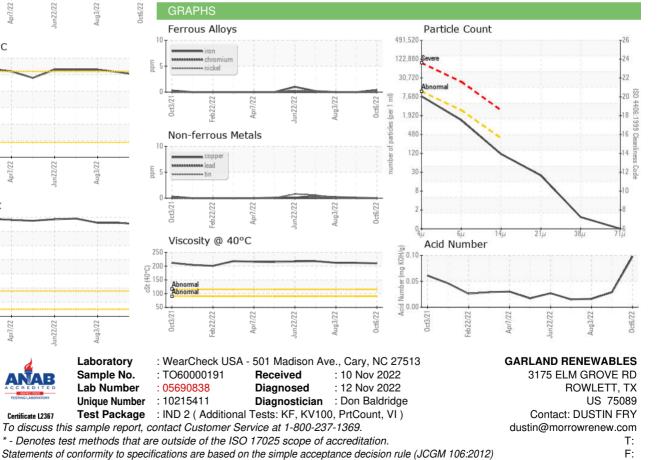






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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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		210	212	212
Visc @ 100°C	cSt	ASTM D445		17.9	18.3	18.6
Viscosity Index (VI)	Scale	ASTM D2270		92	95	97
SAMPLE IMAGES		method	limit/base	current	history1	history2





Certificate L2367

Contact/Location: DUSTIN FRY - GARROW