

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.

			0ct2021	Jan2022		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50000453	TO50000460	
Sample Date		Client Info		27 Jan 2022	03 Oct 2021	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ATTENTION	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	
Chromium	ppm	ASTM D5185m		0	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum		ASTM D5185m	>25	0	<1	
Lead	ppm	ASTM D5185m	>25	0	0	
	ppm			0		
Copper	ppm	ASTM D5185m		-	<1	
Tin	ppm	ASTM D5185m	>15	0	<1	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	5	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	1	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m		2	18	
Calcium	ppm	ASTM D5185m		7	35	
Phosphorus	ppm	ASTM D5185m		27	40	
Zinc	ppm	ASTM D5185m		6	22	
Sulfur	ppm	ASTM D5185m		2225	2218	
CONTAMINANTS	8	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	2	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water	%	ASTM D6304	>0.1	0.002	0.003	
ppm Water	ppm	ASTM D6304	>1000	16.8	29.9	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	6108	7809	
Particles >6µm		ASTM D7647		1021	1591	
Particles >14µm		ASTM D7647	>320	61	111	
Particles >21µm		ASTM D7647 ASTM D7647		16	27	
		ASTM D7647 ASTM D7647	>20	0	1	
Particles >38µm		ASTM D7647 ASTM D7647		0		
Particles >71µm Oil Cleanliness					0	
		ISO 4406 (c)	>20/18/15	20/17/13	20/18/14	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.046	0.061	
OG.EE) Dove 1				Contoot/Loo	Ation DUCTING	

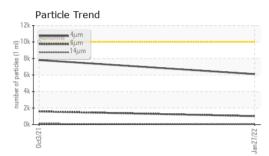
Report Id: GARROW [WUSCAR] 05535256 (Generated: 07/19/2023 15:26:55) Rev: 1

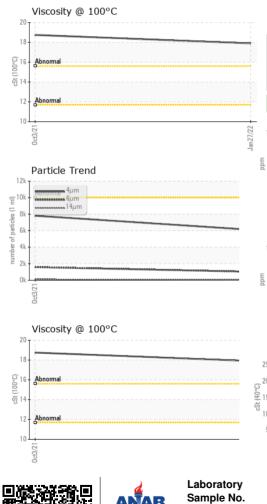
Contact/Location: DUSTIN FRY - GARROW



OIL ANALYSIS REPORT







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
ellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
ebris	scalar	*Visual	NONE	NONE	NONE	
and/Dirt	scalar	*Visual	NONE	NONE	NONE	
ppearance	scalar	*Visual	NORML	NORML	NORML	
)dor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
ree Water	scalar	*Visual	20.1	NEG	NEG	
FLUID PROPERT		method	limit/base	current	history1	history2
			iiiiii/base			
/isc @ 40°C	cSt	ASTM D445		204	▲ 212.0	
/isc @ 100°C	cSt	ASTM D445		17.9	1 8.75	
iscosity Index (VI)	Scale	ASTM D2270		95	98	
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color					F	no image
Bottom						no image
GRAPHS						
Ferrous Alloys				Particle Coun	t	
iron			491,520	ľ		T ²⁶
chromium			122,880	Severe		-24
			30,72			+22
				Abnormal		
71			2 T.680			-20 2
0ct3/21			(per 1 ml)		<u> </u>	-18
Non forrous Motol	_		- sapo 12 48		S	16 0
Non-ferrous Metals	5		Jan 27/22 156'1 and 176'2			+18 +10 - 10 - 11 - 11 - 11 - 11 - 11 - 11
copper			ag 12	-		-14 8
sessesses tin			E 31	1		-12 8
)	
				1	/	-10
0ct3/21			Jan 27/22			-8
0			Jan2			
Viscosity @ 40°C				^{4µ 6µ} Acid Number	14μ 21μ	38µ 71µ
			₽0.00			
			§0.0			
Abnormal			는 농 0.04	+		
Abnormal Abnormal			(B).0.0 0.00 0.00 with the second sec	2		
			¹⁰ 0.0) <u>Li</u>		
0ct3/21			Jan 27/22	0ct3/21		Jan27/22
0			Jan	0		Janž
05535256	Received Diagnose Diagnost ests: KF,	l : 03 l ed : 05 l ician : Jon KV100, PrtC	Vay 2022 May 2022 athan Hester Count, VI)		3175 EL Contact	RENEWABLES M GROVE RD ROWLETT, TX US 75089 :: DUSTIN FRY rowrenew.com

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)

Contact/Location: DUSTIN FRY - GARROW

Т:

F:

Certificate L2367

Lab Number Unique Number Test Package