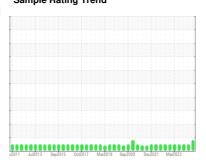


OIL ANALYSIS REPORT

Sample Rating Trend





2279-C-4 Vilter (S/N 930GLLF)

Refrigeration Compressor

USPI 1009-68 SC (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

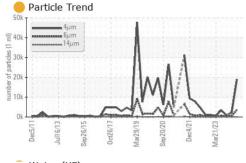
Fluid Condition

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

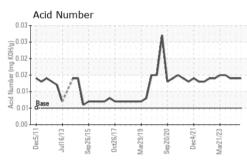
-2011 Ju2013 Sm2015 0c22017 Mn2019 Sm20220 Oc22021 Mn2023							
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		USP0006138	USP0004999	USP0002034	
Sample Date		Client Info		19 Mar 2024	06 Dec 2023	07 Sep 2023	
Machine Age	hrs	Client Info		0	0	0	
Oil Age	hrs	Client Info		0	0	0	
Oil Changed		Client Info		N/A	N/A	N/A	
Sample Status				ATTENTION	NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>8	0	0	0	
Chromium	ppm	ASTM D5185m	>2	0	<1	<1	
Nickel	ppm	ASTM D5185m		0	0	0	
Titanium	ppm	ASTM D5185m		0	0	<1	
Silver	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>3	0	0	<1	
Lead	ppm	ASTM D5185m	>2	0	0	0	
Copper	ppm	ASTM D5185m	>8	0	0	0	
Tin	ppm	ASTM D5185m	>4	<1	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	<1	
Cadmium	ppm	ASTM D5185m		0	0	<1	
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	0	<1	
Magnesium	ppm	ASTM D5185m		0	0	0	
Calcium	ppm	ASTM D5185m		0	0	0	
Phosphorus	ppm	ASTM D5185m		0	0	0	
Zinc	ppm	ASTM D5185m		0	0	0	
Sulfur	ppm	ASTM D5185m	50	0	0	0	
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>15	0	0	<1	
Sodium	ppm	ASTM D5185m		0	0	1	
Potassium	ppm	ASTM D5185m	>20	0	<1	3	
Water	%	ASTM D6304	>0.01	0.009	0.006	0.006	
ppm Water	ppm	ASTM D6304	>100	99	64	66.5	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647		18899	2135	889	
Particles >6µm		ASTM D7647	>2500	3678	404	211	
Particles >14µm		ASTM D7647	>320	31	20	22	
Particles >21µm		ASTM D7647	>80	3	4	9	
Particles >38µm		ASTM D7647	>20	0	0	1	
Particles >71µm		ASTM D7647	>4	0	0	0	
Oil Cleanliness		ISO 4406 (c)	>/18/15	2 1/19/12	18/16/11	17/15/12	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.014	0.014	

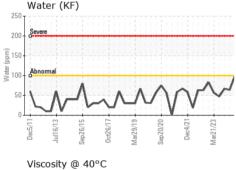


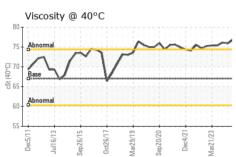
OIL ANALYSIS REPORT

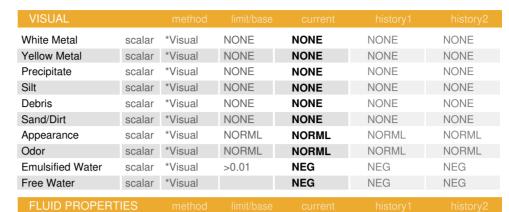


Water	(KF)						
200 Severe							_
Mater (ppm)							
Monoma Abnoma				Ш		^ /	/
50	$\sqrt{\ }$	\sim	_/\	\wedge	\wedge	, C	
Dec5/11	Jull 6/13	0ct26/17	Mar29/19	Sep20/20	Dec4/21 -	Mar21/23	



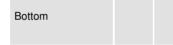




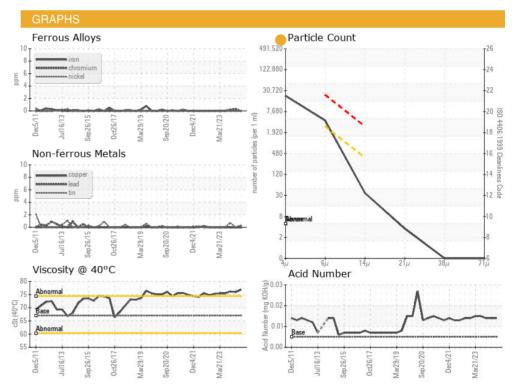


Visc @ 40°C	cSt	ASTM D445	67	76.8	75.9	76.1
SAMPLEIMAGE	=0					

Color









Certificate L2367

Laboratory Sample No. Lab Number Unique Number: 10937870

Test Package : IND 2

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

: USP0006138 : 06123719

Received : 20 Mar 2024 **Tested** : 25 Mar 2024

: 25 Mar 2024 - Jonathan Hester Diagnosed

SMITHFIELD - DENISON - SMIDENIOW

800 INDUSTRIAL ROAD DENISON, IA US 51442

Contact: SERVICE MANAGER

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)

T: (712)263-7414

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