

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id

2292-C-4 West FES 200 booster (S/N 2512681)

Component

Refrigeration Compressor

USPI 1009-68 SC (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

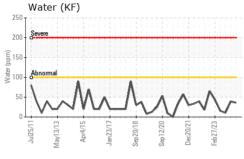
Fluid Condition

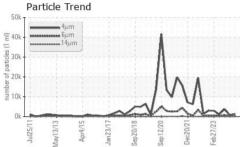
The TAN level is acceptable for this fluid. The condition of the oil is suitable for further service. Viscosity confirmed.

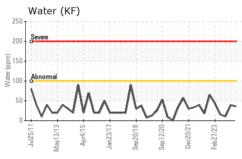
4011 Mar(61)3 Apr(61)5 Apr(61)7 Sep(61)8 Sep(610) Dec(61)21 Feb(62)23						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006137	USP0004996	USP0002043
Sample Date		Client Info		19 Mar 2024	15 Jan 2024	08 Sep 2023
Machine Age	hrs	Client Info		0	0	14264
Oil Age	hrs	Client Info		0	0	14264
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	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	<1	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	<1	<1	1
Sodium	ppm	ASTM D5185m		0	0	1
Potassium	ppm	ASTM D5185m	>20	0	<1	3
Water	%	ASTM D6304	>0.01	0.003	0.003	0.001
ppm Water	ppm	ASTM D6304	>100	36	39	10.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1277	815	3670
Particles >6µm		ASTM D7647	>2500	280	233	646
Particles >14µm		ASTM D7647	>320	21	17	18
Particles >21µm		ASTM D7647	>80	6	4	3
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/18/15	17/15/12	17/15/11	19/17/11
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

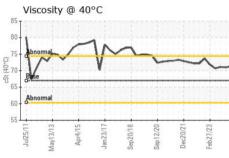


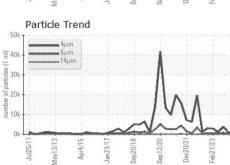
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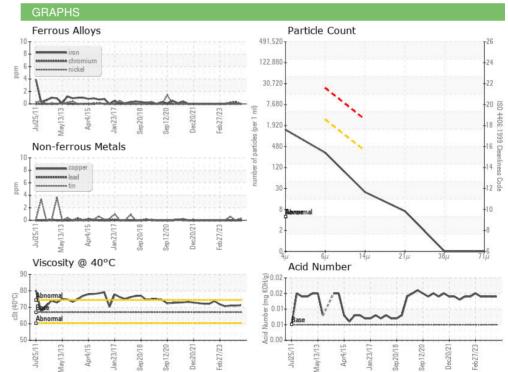


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.01	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FILID PROPERTIES						
FLUID PROPERTIES		method	limit/base	current	history1	history2

FLUID PROPER	HES	method			history1	history2
Visc @ 40°C	cSt	ASTM D445	67	71.3	71.0	71.1

SAMPLE IMAGES	method			history2
			NH3.2	
Color		9	 PRO STORLS STOR 25TORN OILL USER WITH SAMOUND ON SET CONTROL OF	

Bottom







Laboratory Sample No. Lab Number : 06123718 Unique Number: 10937869

: USP0006137

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

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

: 25 Mar 2024 - Jonathan Hester Diagnosed

SMITHFIELD - DENISON - SMIDENIOW

800 INDUSTRIAL ROAD DENISON, IA US 51442

Contact: SERVICE MANAGER

Test Package : IND 2 Certificate L2367 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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