

OIL ANALYSIS REPORT

Sample Rating Trend



^{Machine Id} 2146-C-1 N FES 700 (S/N AB10744V)

Refrigeration Compressor

USPI 1009-68 SC (130 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.

		g2010 Dec2011 Nev2013 Feb2016 Feb2016 Miny(0220 Sep2021 Nev2022					
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		USP0005008	USP0002038	USP250694	
Sample Date		Client Info		09 Dec 2023	06 Sep 2023	07 Jun 2023	
Machine Age	hrs	Client Info		0	10751	0	
Oil Age	hrs	Client Info		0	0	0	
Oil Changed		Client Info		N/A	N/A	N/A	
Sample Status				ATTENTION	NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2	
ron	ppm	ASTM D5185m	>8	0	0	1	
Chromium	ppm	ASTM D5185m	>2	<1	<1	0	
Nickel	ppm	ASTM D5185m		0	0	0	
Titanium	ppm	ASTM D5185m		0	<1	0	
Silver	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>3	0	<1	0	
Lead	ppm	ASTM D5185m	>2	0	0	<1	
Copper	ppm	ASTM D5185m	>8	0	0	0	
Tin	ppm	ASTM D5185m	>4	0	<1	0	
Vanadium	ppm	ASTM D5185m		0	<1	0	
Cadmium	ppm	ASTM D5185m		0	<1	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		0	0	0	
Manganese	ppm	ASTM D5185m		0	<1	0	
Magnesium	ppm	ASTM D5185m		0	0	<1	
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	S	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>15	<1	1	<1	
Sodium	ppm	ASTM D5185m		0	1	0	
Potassium	ppm	ASTM D5185m	>20	<1	3	<1	
Water	%	ASTM D6304	>0.01	0.004	0.001	△ 0.139	
opm Water	ppm	ASTM D6304	>100	47	0.00	▲ 1390	
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647	>10000	9060	3429	▲ 33811	
Particles >6μm		ASTM D7647	>2500	2625	364	<u>△</u> 6699	
Particles >14μm		ASTM D7647	>320	74	13	62	
Particles >21µm		ASTM D7647	>80	7	3	6	
Particles >38µm		ASTM D7647	>20	0	0	0	
Particles >71µm		ASTM D7647	>4	0	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	2 0/19/13	19/16/11	<u>^</u> 22/20/13	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.013	0.015	



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Certificate L2367

Lab Number **Unique Number**

: 06061177

: 10832559 Test Package : IND 2

: 17 Jan 2024 Diagnosed

Diagnostician : Doug Bogart 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 F: (712)263-7314