



Area

Fwd Machinery Space

Machine Id

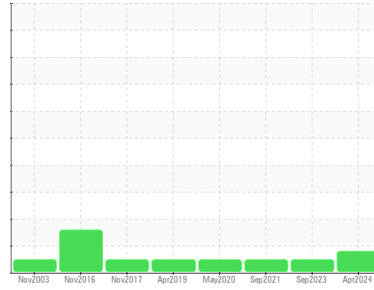
Generator - SKSG Turbocharger A - Compressor Side (S/N Sample Tag CD-86201-S3)

Component

Oil

Fluid

{not provided} (1 LTR)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component. 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 a light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC	PC	PC
Sample Date	Client Info	04 Apr 2024	12 Sep 2023	27 Sep 2021
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 D5185(m)	<1	<1	4
Chromium	ppm ASTM D5185(m)	0	0	0
Nickel	ppm ASTM D5185(m)	0	0	0
Titanium	ppm ASTM D5185(m)	0	0	0
Silver	ppm ASTM D5185(m)	0	<1	0
Aluminum	ppm ASTM D5185(m)	0	0	0
Lead	ppm ASTM D5185(m)	0	0	0
Copper	ppm ASTM D5185(m)	0	<1	<1
Tin	ppm ASTM D5185(m)	0	0	<1
Antimony	ppm ASTM D5185(m)	0	0	0
Vanadium	ppm ASTM D5185(m)	0	0	0
Beryllium	ppm ASTM D5185(m)	0	0	0
Cadmium	ppm ASTM D5185(m)	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	0	<1	<1
Barium	ppm ASTM D5185(m)	0	0	1
Molybdenum	ppm ASTM D5185(m)	0	0	0
Manganese	ppm ASTM D5185(m)	0	0	<1
Magnesium	ppm ASTM D5185(m)	0	0	0
Calcium	ppm ASTM D5185(m)	0	0	2
Phosphorus	ppm ASTM D5185(m)	735	801	822
Zinc	ppm ASTM D5185(m)	<1	<1	2
Sulfur	ppm ASTM D5185(m)	407	456	476
Lithium	ppm ASTM D5185(m)	<1	<1	<1

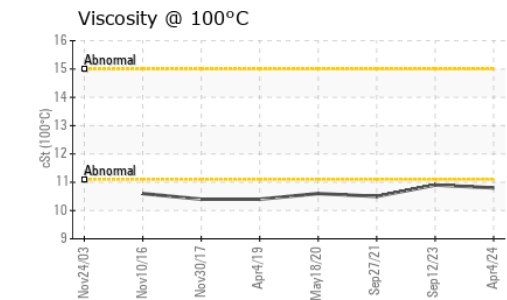
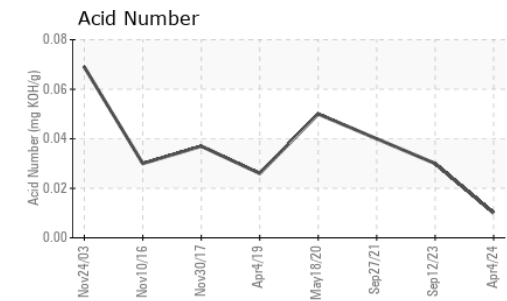
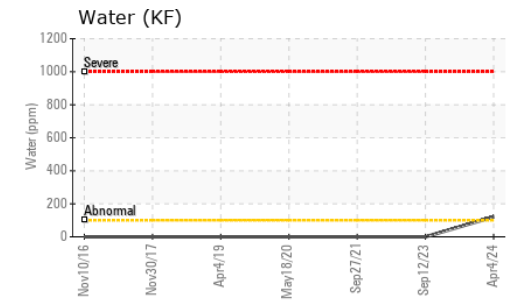
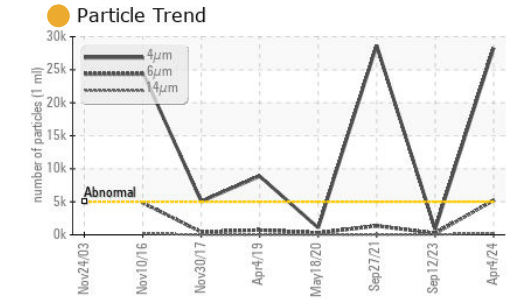
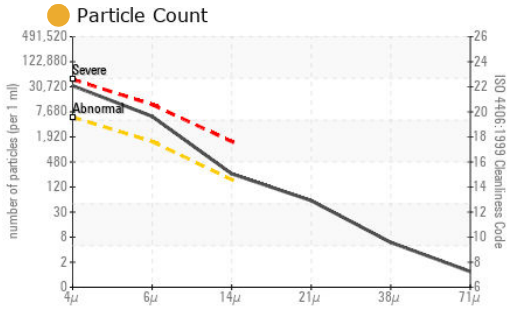
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	0	1	18
Sodium	ppm ASTM D5185(m)	0	<1	<1
Potassium	ppm ASTM D5185(m) >20	<1	0	<1
Water	% ASTM D6304*	0.012	---	---
ppm Water	ppm ASTM D6304*	121	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	28287	852	28665
Particles >6µm	ASTM D7647 >1300	5214	226	1358
Particles >14µm	ASTM D7647 >160	220	33	17
Particles >21µm	ASTM D7647 >40	50	15	2
Particles >38µm	ASTM D7647 >10	5	2	0
Particles >71µm	ASTM D7647 >3	1	1	0
Oil Cleanliness	ISO 4406 (c) >19/17/14	22/20/15	17/15/12	22/18/11

OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC
Lab Number : 02631639
Unique Number : 5772792
Test Package : MAR 2 (Additional Tests: KF, KV100, PrtCount, TAN Man, VI)

Received : 26 Apr 2024
Tested : 30 Apr 2024
Diagnosed : 30 Apr 2024 - Kevin Marson

Suncor - Terra Nova Projects
 Scotia Centre, 235 Water Street
 St. John's, NL
 CA A1C 1B6
 Contact: Josh Hynes
 joshynes@suncor.com
 T: (709)778-3575
 F: (709)724-2835

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.01	0.03	0.04
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	VLITE	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*		.2%	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		69.1	68.8	66.5
Visc @ 100°C	cSt	ASTM D7279(m)		10.8	10.9	10.5
Viscosity Index (VI)	Scale	ASTM D2270*		145	148	146

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						