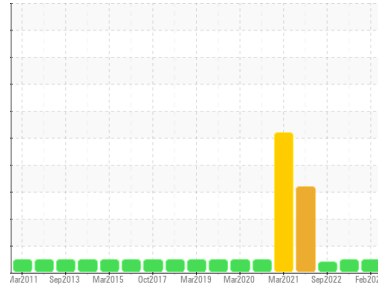


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
#4 DEWATER CENTRIFUGE (S/N 0000203518)

Component
Bearing

Fluid
PETRO CANADA TURBOFLO R&O 46 (40 LTR)

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 oil.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0058396	PC0058171	PC0058427
Sample Date	Client Info	14 Feb 2024	08 Mar 2023	13 Sep 2022
Machine Age	hrs	28188	27599	16679
Oil Age	hrs	0	0	0
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		NORMAL	NORMAL	ABNORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	0	0	0
Iron	ppm ASTM D5185(m) >20	2	4	1
Chromium	ppm ASTM D5185(m) >20	0	<1	0
Nickel	ppm ASTM D5185(m) >20	<1	<1	0
Titanium	ppm ASTM D5185(m)	0	0	0
Silver	ppm ASTM D5185(m)	0	0	0
Aluminum	ppm ASTM D5185(m) >20	<1	<1	<1
Lead	ppm ASTM D5185(m) >20	0	<1	0
Copper	ppm ASTM D5185(m) >20	<1	1	<1
Tin	ppm ASTM D5185(m) >20	0	0	0
Antimony	ppm ASTM D5185(m)	0	<1	<1
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	0
Molybdenum	ppm ASTM D5185(m)	0	0	0
Manganese	ppm ASTM D5185(m)	0	0	0
Magnesium	ppm ASTM D5185(m)	<1	0	0
Calcium	ppm ASTM D5185(m) 0	<1	0	<1
Phosphorus	ppm ASTM D5185(m) 3	6	9	5
Zinc	ppm ASTM D5185(m) 0	3	7	2
Sulfur	ppm ASTM D5185(m)	172	166	153
Lithium	ppm ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >15	0	0	0
Sodium	ppm ASTM D5185(m)	2	1	1
Potassium	ppm ASTM D5185(m) >20	<1	<1	0

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974* 0.12	0.07	0.06	0.06

