

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id CRANE 3 TROLLEY

Gearbox

PETRO CANADA ENDURATEX EP 220 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

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.

- /			Sep2022	Aug2023		
SAMPLE INFORM	/ ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0101515	PCA0079666	
Sample Date		Client Info		28 Aug 2023	22 Sep 2022	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	Not Changd	
Sample Status				NORMAL	NORMAL	
WEAR METALS	S	method	limit/base	current	history1	history2
PQ		ASTM D8184		24	18	
Iron	ppm	ASTM D5185m	>200	102	87	
Chromium	ppm	ASTM D5185m	>15	<1	0	
Nickel	ppm	ASTM D5185m	>15	<1	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	0	<1	
Lead	ppm	ASTM D5185m	>100	<1	0	
Copper	ppm	ASTM D5185m	>200	3	3	
Tin	ppm	ASTM D5185m		0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	60	3	4	
Barium	ppm	ASTM D5185m	0	24	6	
Molybdenum	ppm	ASTM D5185m	0	<1	<1	
Manganese	ppm	ASTM D5185m	0	1	1	
Magnesium	ppm	ASTM D5185m	0	2	1	
Calcium	ppm	ASTM D5185m	0	10	9	
Phosphorus	ppm	ASTM D5185m	270	216	205	
Zinc	ppm	ASTM D5185m	0	27	19	
Sulfur	ppm	ASTM D5185m	11200	12474	12125	
CONTAMINAN		method	limit/base	current	history1	history2
Silicon		ASTM D5185m	>50	27	23	
Sodium	ppm	ASTM D5185m	>50		0	
Potassium	ppm	ASTM D5185m	>20	0 <1	<1	
	ppm		-			
FLUID DEGRAD			limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.40	0.47	0.44	
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	LIGHT	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Free Water	scalar	*Visual		NEG	ocation BRAD E	LLIS- SDITEI
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