

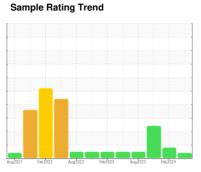
OIL ANALYSIS REPORT

Pickle Line

[Pickle Line] 580045-CHOPPER KNIFE GB - OPER. SIDE

Non-Drive End Gearbox

PETRO CANADA ENDURATEX EP 220 (--- GAL)





DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

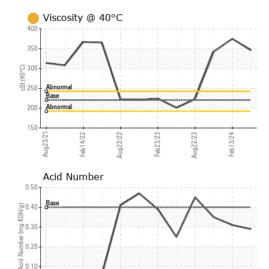
Fluid Condition

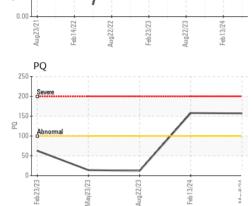
The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0117679	PCA0113007	PCA0107673
Sample Date		Client Info		08 May 2024	13 Feb 2024	26 Nov 2023
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	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
PQ		ASTM D8184		157	158	
Iron	ppm	ASTM D5185m	>200	122	102	66
Chromium	ppm	ASTM D5185m	>15	7	4	1
Nickel	ppm	ASTM D5185m	>15	4	2	1
Titanium	ppm	ASTM D5185m		2	1	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	25	22	<u> </u>
Lead	ppm	ASTM D5185m	>100	3	1	2
Copper	ppm	ASTM D5185m	>200	8	4	6
Tin	ppm	ASTM D5185m	>25	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	60	38	36	30
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	1	0	<1
Manganese	ppm	ASTM D5185m	0	2	1	1
Magnesium	ppm	ASTM D5185m	0	2	<1	1
Calcium	ppm	ASTM D5185m	0	96	99	104
Phosphorus	ppm	ASTM D5185m	270	346	374	352
Zinc	ppm	ASTM D5185m	0	127	137	121
Sulfur	ppm	ASTM D5185m	11200	6772	6442	6875
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	46	45	41
Sodium	ppm	ASTM D5185m		0	1	0
Potassium	ppm	ASTM D5185m	>20	3	<1	1
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.40	0.29	0.31	0.35

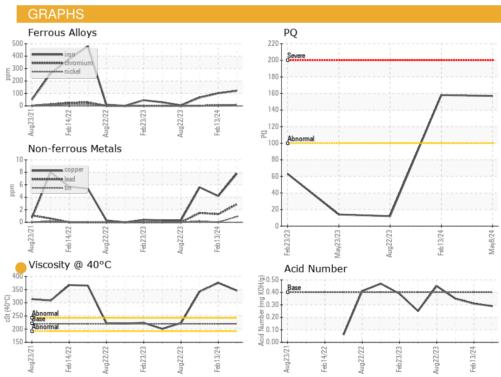


OIL ANALYSIS REPORT













Laboratory Sample No. Lab Number : 06173989

: PCA0117679 Unique Number : 11020042

Bottom

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

: 09 May 2024 : 10 May 2024 Diagnosed : 12 May 2024 - Don Baldridge

455 West Industrial Drive Terre Haute, IN

brad.ellis@steeldynamics.com

SDI - Steel DynamicsInc. - Heartland

US 47802 Contact: BRAD ELLIS

Test Package : PLANT Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

Report Id: SDITER [WUSCAR] 06173989 (Generated: 05/12/2024 09:39:50) Rev: 1

Contact/Location: BRAD ELLIS - SDITER

T:

F: