

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



ORIN CONTRACTORS Machine Id 100-012

Component

Swing Drive

Fluid

PETRO CANADA TRAXON 80W90 (--- GAL)





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

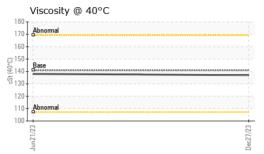
XON 80W90 ((JAL)		Jun 2023	Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0888502	LH0261504	
Sample Date		Client Info		27 Dec 2023	21 Jun 2023	
Machine Age	hrs	Client Info		0	3771	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.25	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>1200	19	52	
Chromium	ppm	ASTM D5185(m)	>10	0	<1	
Nickel	ppm	ASTM D5185(m)	>10	<1	0	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	
Lead	ppm	ASTM D5185(m)	>50	0	0	
Copper	ppm	ASTM D5185(m)	>50	2	3	
Tin	ppm	ASTM D5185(m)	>10	0	0	
Antimony	ppm	ASTM D5185(m)	>5	0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	243	235	227	
Barium	ppm	ASTM D5185(m)	1	0	0	
Molybdenum	ppm	ASTM D5185(m)		0	1	
Manganese	ppm	ASTM D5185(m)		0	<1	
Magnesium	ppm	ASTM D5185(m)	2	2	4	
Calcium	ppm	ASTM D5185(m)	6	7	20	
Phosphorus	ppm	ASTM D5185(m)	987	943	966	
Zinc	ppm	ASTM D5185(m)	1	10	12	
Sulfur	ppm	ASTM D5185(m)	21530	17057	16388	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>100	4	6	
Sodium	ppm	ASTM D5185(m)		<1	<1	
Potassium	ppm	ASTM D5185(m)	>20	<1	0	



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cSt

Visc @ 40°C



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
Precipitate	scalar	Visual*	NONE	NONE	NONE	
Silt	scalar	Visual*	NONE	NONE	VLITE	
Debris	scalar	Visual*	NONE	NONE	NONE	
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	
Appearance	scalar	Visual*	NORML	NORML	NORML	
Odor	scalar	Visual*	NORML	NORML	NORML	
Emulsified Water	scalar	Visual*	>0.25	NEG	NEG	
Free Water	scalar	Visual*		NEG	NEG	
FLUID PROPERT	TES	method	limit/base	current	history1	history2

ASTM D7279(m) 141.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					no image
Bottom					no image

137

138

GRAPHS		
Iron (ppm)	Lead (ppm)	
Severe	150 Severe	
0 + Abnormal	E 100 Abnormal	
0	30 4	
	m m	
Jun21/23	Dec27/23	
Aluminum (ppm)	Chromium (ppm)
Severe	30 Severe	
Abnormal	Abnormal	
ļ	0	
Jun21/23	Dec27/23	
Junž	Dec27, Jun21,	
Copper (ppm)	Silicon (ppm)	
Severe	300 Severe	
Abnormal	E 200 Abnormal	
	100 7	
	. 52/1	
Jun21/23	Dec27/23	
Viscosity @ 40°C	Additives	
Abnormal	1500 - calcium	
Abnormal Abnormal	1000 - Calcium	***************************************
Abnormal	0	
Jun21/23	Dec27/23	
un2	un2	



CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number : 5708347

: 02607261

: WC0888502 Recieved Diagnosed

: 08 Jan 2024 : 09 Jan 2024

Diagnostician : Wes Davis

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 RONI/IRON SHORE EXCAVATING LTD. 100 MACINTOSH BLVD

VAUGHAN, ON CA L4K 4P3 Contact: Service Team

service.team@roni.ca

Test Package : MOBCE (Additional Tests: Visual) 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.

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