

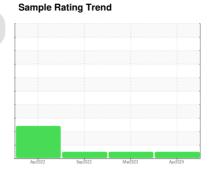
OIL ANALYSIS REPORT

Mini Excavator

137

Component
Diesel Engine

PETRO CANADA DURON HP 15W40 (--- GAL)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

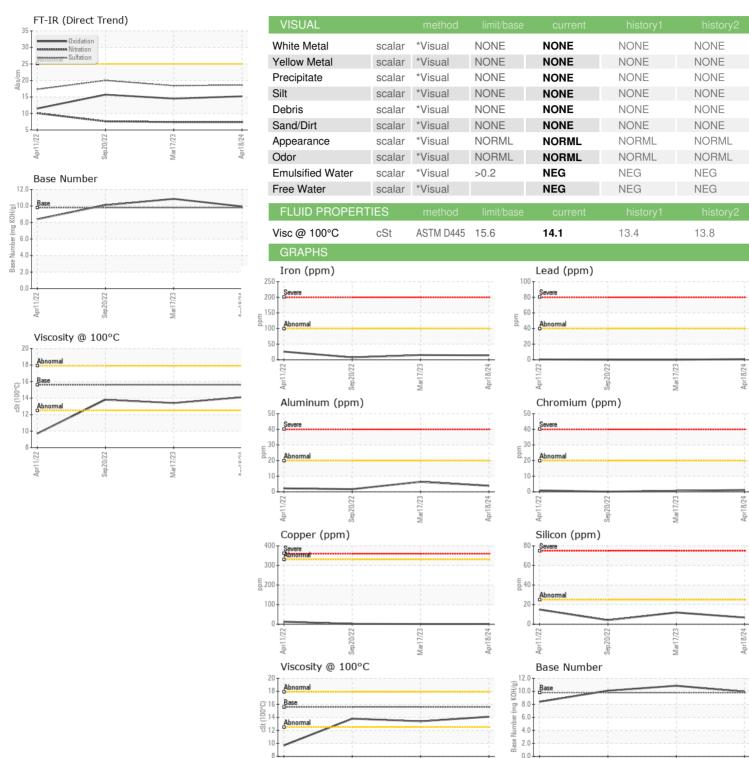
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0006001	KFS0002924	KFS0001534
Sample Date		Client Info		18 Apr 2024	17 Mar 2023	20 Sep 2022
Machine Age	hrs	Client Info		1960	1296	887
Oil Age	hrs	Client Info		664	400	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	14	15	8
Chromium	• •	ASTM D5185m	>20	1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	0
	ppm	ASTM D5185m	>4	<1		0
Titanium Silver	ppm		>3	0	<1 0	0
	ppm	ASTM D5185m		4		2
Aluminum	ppm	ASTM D5185m	>20	-	6	
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	1	1	2
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	3	10
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		59	53	62
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		981	874	801
Calcium	ppm	ASTM D5185m		1096	1140	1180
Phosphorus	ppm	ASTM D5185m		1170	973	930
Zinc	ppm	ASTM D5185m		1300	1191	1130
Sulfur	ppm	ASTM D5185m		3866	3498	3157
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	12	4
Sodium	ppm	ASTM D5185m		3	2	0
Potassium	ppm	ASTM D5185m	>20	1	3	11
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	7.4	7.4	7.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.6	18.4	20.0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2	14.5	15.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	9.95	10.86	10.1
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OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: KFS0006001 Lab Number : 06160586 Unique Number : 10996009

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** Test Package : MOB 2

: 26 Apr 2024 Diagnosed : 26 Apr 2024 - Wes Davis

: 25 Apr 2024

Mar17/23

US 38401 Contact: BEN HARNESS ben@slectharness.com

855 N JAMES CAMPBELL BLVD

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.

T: (615)733-4480 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

HARNESS LLC

COLUMBIA, TN