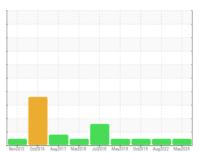


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

KENWORTH T800 TRACTOR CD5 (S/N 1XKDDB0X33R393141)

Diesel Engine

CHEVRON DELO 400 SDE SAE 15W40 (10 GAL)

DIAGNOSIS

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

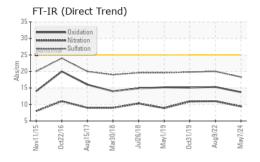
Fluid Condition

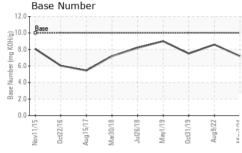
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

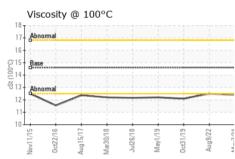
GAL)		Nov2015 Oc	z2016 Aug2017 Mar2018	Jul2018 May2019 Oct2019 Aug20	122 May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0889910	WC0660150	WC0378453
Sample Date		Client Info		07 May 2024	09 Aug 2022	31 Oct 2019
Machine Age	hrs	Client Info		17882	17467	436829
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	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	31	37	41
Chromium	ppm	ASTM D5185m	>20	1	<1	1
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		<1	1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	6	4
Lead	ppm	ASTM D5185m	>40	<1	<1	2
Copper	ppm	ASTM D5185m	>330	6	6	6
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Antimony	ppm	ASTM D5185m				2
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		60	56	29
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		8	6	11
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		668	674	752
Calcium	ppm	ASTM D5185m		1233	1235	1263
Phosphorus	ppm	ASTM D5185m	760	758	701	722
Zinc	ppm	ASTM D5185m	800	845	840	804
Sulfur	ppm	ASTM D5185m	3000	3149	3042	2427
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	5	6
Sodium	ppm	ASTM D5185m		5	5	7
Potassium	ppm	ASTM D5185m	>20	11	15	6
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.4	0.6
Nitration	Abs/cm	*ASTM D7624	>20	9.4	11.0	10.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.3	20.0	19.8
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.7	15.3	15.1
Base Number (BN)	mg KOH/g	ASTM D2896	10	7.2	8.6	7.5
4.01.10\ Dov. 1				Cantaat/Lagatia	DALDILOUG	LINIE CHEKAL

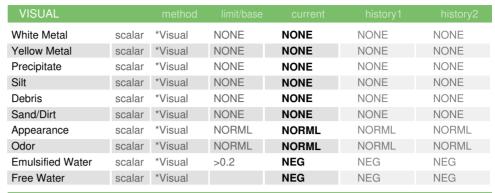


OIL ANALYSIS REPORT



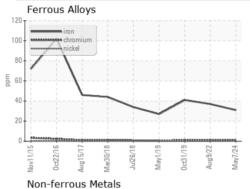


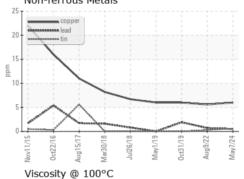


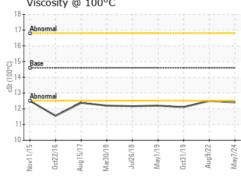


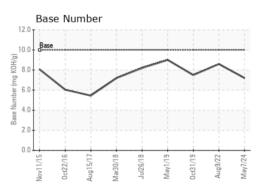
FLUID PROPER	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	14.6	12.4	12.5	12.1

GRAPHS













Certificate 12367

Laboratory Sample No.

: WC0889910 Lab Number : 06197352

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

Unique Number : 11059475 Diagnosed Test Package : CONST (Additional Tests: TBN)

Tested : 04 Jun 2024

: 03 Jun 2024

: 04 Jun 2024 - Sean Felton

CUSHNIE CONSTRUCTION CO INC 4702 LAE RD KALAHEO, HI US 96741

Contact: RALPH CUSHNIE ralph@cushniecci.com T: (808)332-9000

* - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

F: (808)332-9400 Contact/Location: RALPH CUSHNIE - CUSKAL