

OIL ANALYSIS REPORT

Sample Rating Trend

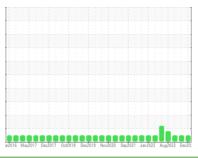
NORMAL



KENWORTH T370 JTK9141 (S/N 2NKHHM7X1FM440647)

Diesel Engine

PETRO CANADA 15W40 (18 QTS)





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

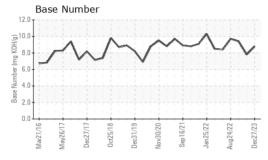
Fluid Condition

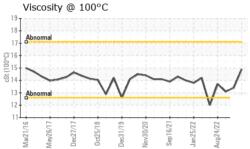
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ARI0007342	ARI0005649	ARI0005697
Sample Date		Client Info		27 Dec 2023	22 Feb 2023	07 Nov 2022
Machine Age	mls	Client Info		116157	107165	103131
Oil Age	mls	Client Info		0	4034	3000
Oil Changed	0	Client Info		Changed	Changed	Changed
Sample Status		Onorie iriio		NORMAL	NORMAL	NORMAL
		.1	11 11 //			
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	11	22	20
Chromium	ppm	ASTM D5185m	>20	<1	1	1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	3
Aluminum	ppm	ASTM D5185m	>20	3	10	10
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	0	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	9	15
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		53	61	61
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m		917	987	930
Calcium	ppm	ASTM D5185m		972	1086	1057
Phosphorus	ppm	ASTM D5185m		1029	1013	1007
Zinc	ppm	ASTM D5185m		1217	1325	1249
Sulfur	ppm	ASTM D5185m		2978	3557	3856
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	5	5
Sodium	ppm	ASTM D5185m		<1	2	2
Potassium	ppm	ASTM D5185m	>20	6	20	23
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.4	0.5
Nitration	Abs/cm	*ASTM D7624	>20	6.1	8.8	9.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.8	18.7	19.8
FLUID DEGRADA	ATION _	method	limit/base	current	history1	history2
Ovidation	Ahe/1mm	*ACTM D7/11	\25	126	15.2	16
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25	13.6 8.8	15.3 7.8	16 9.4



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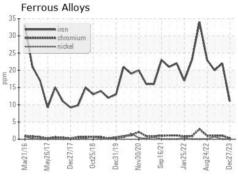


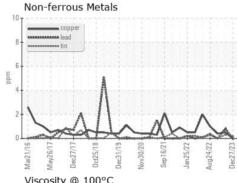


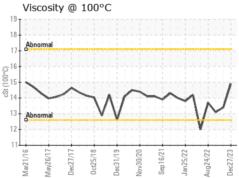
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

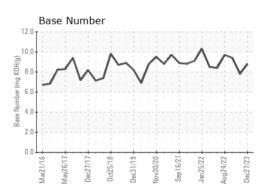
FLUID PROPE	RTIES	method			history2	١
Visc @ 100°C	cSt	ASTM D445	14.9	13.4	13.1	

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10822324

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ARI0007342 : 06056375

Recieved : 10 Jan 2024 Diagnosed

: 11 Jan 2024 Diagnostician : Wes Davis

Test Package : CONST (Additional Tests: TBN)

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. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Contact: NELSON LEITE

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Contact/Location: NELSON LEITE - AR1650CHA