

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id KENWORTH T800 3WKDD40X1GF109090

Diesel Engine

Fluid MOBIL DELVAC 1300 SUPER15W40 (10 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

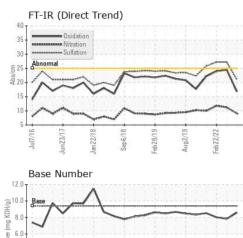
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

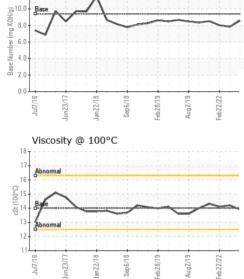
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		RW0004913	RW0003005	RW0002147		
Sample Date		Client Info		26 Jan 2024	03 Jun 2022	22 Feb 2022		
Machine Age	hrs	Client Info		10541	0	9652		
Oil Age	hrs	Client Info		386	503	579		
Oil Changed		Client Info		Changed	Changed	Changed		
Sample Status				NORMAL	NORMAL	NORMAL		
CONTAMINATION	٧	method	limit/base	current	history1	history2		
Fuel		WC Method	>3.0	<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	>165	15	23	25		
Chromium	ppm	ASTM D5185m	>5	<1	1	1		
Nickel	ppm	ASTM D5185m	>4	0	0	0		
Titanium	ppm	ASTM D5185m	>2	0	0	0		
Silver	ppm	ASTM D5185m	>2	0	<1	<1		
Aluminum	ppm	ASTM D5185m	>20	2	4	5		
Lead	ppm	ASTM D5185m	>150	<1	4	2		
Copper	ppm	ASTM D5185m	>90	0	<1	<1		
Tin	ppm	ASTM D5185m	>5	0	<1	<1		
Antimony	ppm	ASTM D5185m						
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	0	47	59	54		
Barium	ppm	ASTM D5185m	0	0	0	0		
Molybdenum	ppm	ASTM D5185m	0	30	45	46		
Manganese	ppm	ASTM D5185m		<1	<1	<1		
Magnesium	ppm	ASTM D5185m	0	714	531	541		
Calcium	ppm	ASTM D5185m		1778	1783	1757		
Phosphorus	ppm	ASTM D5185m		879	742	739		
Zinc	ppm	ASTM D5185m		1057	919	916		
Sulfur	ppm	ASTM D5185m		3650	2760	2766		
CONTAMINANTS		method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>35	8	6	11		
Sodium	ppm	ASTM D5185m		2	3	3		
Potassium	ppm	ASTM D5185m	>20	5	6	10		
INFRA-RED		method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844	>7.5	0.9	1.6	1.7		
Nitration	Abs/cm	*ASTM D7624	>20	9.1	11.2	11.8		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.0	27.2	27.2		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2		
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.8	24.5	24.0		
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	8.60	7.84	8.03		
1-43-23) Bev: 1								

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OIL ANALYSIS REPORT





VISUAL		method	limit/base	current	history1	history
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 PROPERT	IES	method	limit/base	current	history1	history
Visc @ 100°C	cSt	ASTM D445	14	13.9	14.2	14.1
GRAPHS						
Iron (ppm)			300	Lead (ppm)		
250 - Severe			250	0		
				Abnormal		
100			100			
50						
3/17	6/18	2/19			6/18 -	Aug2/19 -
Jul Jun2 Jan2:	Sep Feb2	Aug		Jul Jun2	Sep Feb 28	Aug. Feb22
Aluminum (ppm)					opm)	
40 Severe				Samo		
30				T I I I I I		
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ul7/16	28/19	- 19-		ul7/16	1/22/18	Aug2/19 -
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200 T			80			
Severe			0.0	Severe		
				The second second		
50			20			
	9 6	61			6	10 10 10 10 10 10 10 10 10 10 10 10 10 1
Jul7/1 un23/1	Sep6/. eb28/1	Aug2/1		Jul7/1 un23/1	an 2.2/ Sep 6/1 eb 2.8/1	Aug2/19 Feb22/22
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18 T			12.0			
10+			B/H0.0	Base		
D Base			B 8.0	V	\sim	
는 14 - Broomal			ag 6.0 			
12			 88 2.0			
	6	6			0 00 6	19
Jul7/1 In23/1	Sep 6/1 b 2 8/1	hug2/1		Jul7/1 In23/1	in 22/1 Sep 6/1	Aug2/19 Feb22/22
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: RW0004913					05 S CEDAR	
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	Diagh	1 05eu : 26	Api 2024 - W	es Davis	Contact: DEN	US 484 NIS ONDRA.
	White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 100°C GRAPHS Iron (ppm) Aluminum (ppm) Odor Copper (ppm) Odor Copper (ppm) Odor Uiscosity @ 100°C	White Metal scalar Yellow Metal scalar Precipitate scalar Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Free Water scalar Free Water scalar Free Water scalar Free Water scalar From (ppm) Aluminum (ppm) Copper (pp	White Metal scalar *Visual Precipitate scalar *Visual Debris scalar *Visual Debris scalar *Visual Debris scalar *Visual Appearance scalar *Visual Codor scalar *Visual Emulsified Water scalar *Visual Free Water scalar *Visual Astronomed bio GRAPHS Iron (ppm) Aluminum (ppm) Aluminum (ppm) Copper (ppm)	White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE Precipitate scalar *Visual NONE Silt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NORML Odor scalar *Visual NORML Odor scalar *Visual NORML Emulsified Water scalar *Visual >0.2 Free Water scalar *Visual * Visc @ 100°C cSt ASTM D445 14 GRAPHS Iron (ppm) Good for the scalar * Viscosity @ 100°C Viscosity @ 100°C Uiscosity @ 100°C Uiscosity @ 100°C * WearCheck USA - 501 Madison Ave., Cary, NC 27513 :RW0004913 :RW0004913 :RW0004913 :RW004431 :RW04431 :RW04431 :RW04431 :RW04431 :	White Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Appearance scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Codor scalar *Visual NORML NORML Image: Scalar *Visual NORML NORML Visca 100°C cSt ASTM D445 14 13.9 GRAPHS Iron (pm) Image: Scalar Scalar Scalar Scalar Visca 100°C Image: Scalar Scalar Scalar Image: Scalar Scalar Iron (pm) Image: Scalar Visual NOR Image: Scalar Scalar Image: Scalar Scalar Visca 100°C Im	White Metal scalar Visual NONE NONE NONE Precipitate scalar Visual NONE NONE NONE Sitt scalar Visual NONE NONE NONE Sand/Dirit scalar Visual NONE NONE NONE Appearance scalar Visual NORML NORML NORML Odor scalar Visual NORML NORML NORML NORML Odor scalar Visual NORML



Test Package : MOB 2 Certificate L2367 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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