



KANSAS/44/EG - DOZER 39.62 [KANSAS^44^EG - DOZER]

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Number		Client Info		WC0886987	WC0781257	WC0779826
	Sample Date		Client Info		10 Apr 2024	13 Jun 2023	02 Mar 2023
	Machine Age	hrs	Client Info		9895	8798	8579
	Oil Age	hrs	Client Info		0	8347	99
	Filter Age	hrs	Client Info		0	0	99
	Oil Changed		Client Info		Changed	N/A	N/A
	Filter Changed		Client Info		Changed	N/A	N/A
	Sample Status				ABNORMAL	NORMAL	MARGINAL
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>100	69	28	38
	Chromium	ppm	ASTM D5185m	>20	2	<1	<1
	Nickel	ppm	ASTM D5185m		- <1	0	0
	Titanium	ppm	ASTM D5185m		1	0	0
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m		13	7	9
	Lead	ppm	ASTM D5185m		17	0	<1
	Copper	ppm	ASTM D5185m		31	2	5
	Tin	ppm	ASTM D5185m		1	<1	<1
	Vanadium	ppm	ASTM D5185m	>15	י <1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal		*Visual	NONE	NONE	NONE	NONE
	reliuw wielai	scalar	visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m		18	8	11
Sodium and/or potassium levels are high.	Potassium	ppm	ASTM D5185m	>20	4	0	0
	Fuel	%	ASTM D3524	>5	<1.0	<1.0	<u> </u>
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	%	*ASTM D2982		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.7	0.6	0.7
	Nitration	Abs/cm	*ASTM D7624	>20	11.9	9.6	11.0
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9	23.1	22.2
	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
	0				A 000	_	0
FLUID CONDITION	Sodium	ppm	ASTM D5185m	0	A 288	6	9
The BN result indicates that there is suitable alkalinity remaining in the oil.	Boron	ppm	ASTM D5185m		17	33	29
	Barium	ppm	ASTM D5185m		<1	0	0
	Molybdenum	ppm	ASTM D5185m	0	97	42	37
	Manganese	ppm	ASTM D5185m	0	2	<1	1
	Magnesium	ppm	ASTM D5185m	0	452	548	477
	Calcium	ppm	ASTM D5185m		1471	1830	1646
	Phosphorus	ppm	ASTM D5185m		752	975	735
	Zinc	ppm	ASTM D5185m		878	1183	857
	Sulfur	ppm	ASTM D5185m		2629	3665	2591
	Oxidation	Abs/.1mm	*ASTM D7414	>25	21.0	21.9	20.7
		LICOLLU	AOTH DOOR	0.4		0.0	10.0

10.3

12.4

9.8

12.8

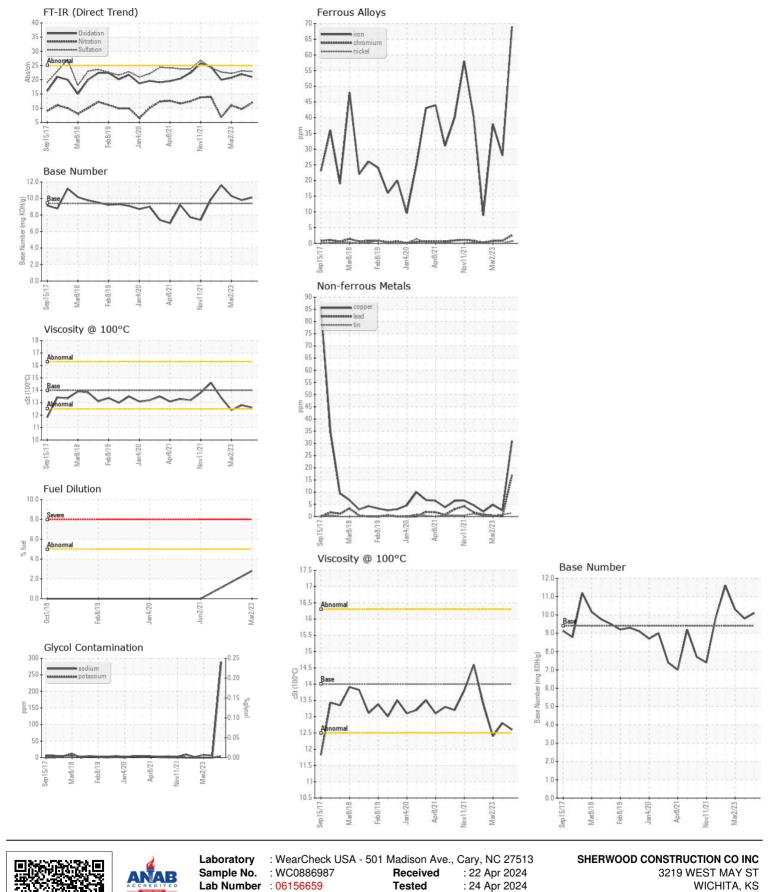
10.1

12.6

Base Number (BN) mg KOH/g ASTM D2896 9.4

ASTM D445 14

Visc @ 100°C cSt



Unique Number : 10992082 Diagnosed : 24 Apr 2024 - Jonathan Hester Test Package : CONST (Additional Tests: FuelDilution, Glycol, PercentFuel, TBN) Contact: DOUG KING Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. doug.king@sherwood.net * - 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)

Submitted By: JESSE HAAS Page 2 of 2

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