

OIL ANALYSIS REPORT

VISCOSITY

Sample Rating Trend



Area KANSAS/44/HY - SKID STEER 53.157L [KANSAS^44^HY - SKID STEER] Diesel Engine Fluid

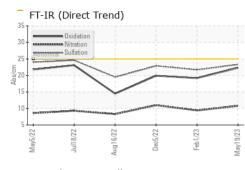
MOBIL DELVAC 1300 SUPER15W40 (2 GAL)

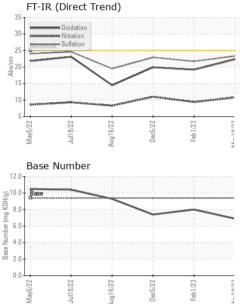
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Recommendation WC0749953	DIAGNOSIS	SAMPLE INFORM	MATION	method	limit/base	e current	history1	history2
Near Alacino Age hrs Client Ind Ital 993 843 Alacino Age No Changed Client Ind No Changed No No <t< th=""><th>Recommendation</th><th>Sample Number</th><th></th><th>Client Info</th><th></th><th>WC0799056</th><th>WC0749873</th><th>WC0749917</th></t<>	Recommendation	Sample Number		Client Info		WC0799056	WC0749873	WC0749917
Near Client Ino Ind Old Old <th< td=""><th>Resample at the next service interval to monitor.</th><td>Sample Date</td><td></td><td>Client Info</td><td></td><th>19 May 2023</th><td>01 Feb 2023</td><td>05 Dec 2022</td></th<>	Resample at the next service interval to monitor.	Sample Date		Client Info		19 May 2023	01 Feb 2023	05 Dec 2022
All component war rates are normal. Oil Age Ins Oilent Ino O 549 0 There is no inclución of any contamination in the later is unicida alkalinity remaining in the call. Continue is subale alkalin	Wear	Machine Age	hrs	Client Info		1121	909	849
Sample Status ATTENTION ATTENTION ABNORMAL Drei is no indication of any contamination in the al. Fuid Condition nethod unitbase current Heldory Heldory The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type. NEG NEG NEG NEG NEG Viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type. NEG NEG NEG NEG NEG NEG Viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type. NEG NEG NEG NEG NEG NEG Viscosity is lower than normal. The BN result indicates that the normal three is suitable alkalinity remaining in the oil. Confirm oil type. NEG		Oil Age	hrs	Client Info		0	549	0
There is no indication of any contamination in the is. Sample Status ATTENTION ATTENTION ADMONALL Pluid Condition The oli viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining it to al. Confirm oil type. VOL Method Sol -1.0 -1.0 -1.0 <1.0 <1.0 -1.0 <1.0 Viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining it to al. Confirm oil type. WOL Method Sol -1.0 <1.0 -1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <th>•</th> <th></th> <th></th> <th>Client Info</th> <th></th> <th>Not Changd</th> <th>Changed</th> <th>Not Changd</th>	•			Client Info		Not Changd	Changed	Not Changd
Puild Condition Convi Matilian Itolox method immbdas current headory neadory The oil viscosity is lower than normal. The BN result ite oil. Confirm oil type. WC Method >5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0		Sample Status				ATTENTION	ATTENTION	ABNORMAL
The off viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type. Fuel WC Method Sole NEG NEG NEG We are oil. Confirm oil type. WC Method WC Method Innithase Current NetG NEG I'on ppm ASTM 05186m >20 1 <1 <1 I'on ppm ASTM 05186m >20 0 0 0 I'conronium ppm ASTM 05186m >20 0 0 0 Nickel ppm ASTM 05186m >20 0 0 0 Auminum ppm ASTM 05186m >20 0 0 0 Qopper ppm ASTM 05186m >20 0 0 0 Qopper ppm ASTM 05186m >30 101 99 144 Tin ppm ASTM 05186m >41 0 0 0 Qopper ppm ASTM 05186m 0 0 0		CONTAMINATIO	N	method	limit/base	e current	history1	history2
Water Wither Wither WEG NEG NEG NEG indicates that there is suitable alkalinity remaining in Glycol WC Method NEG NEG NEG VEARI METALS method limit/base current fistory1 fistory2 Iron ppm ASTM05165m >100 19 15 15 Chromium ppm ASTM05165m >20 0 0 0 Nickel ppm ASTM05165m >22 1 <1 <1 Silver ppm ASTM05165m >22 0 0 0 Atuminum ppm ASTM05165m >23 2 2 2 Lead ppm ASTM05165m >330 101 9 144 Tin ppm ASTM05165m >15 <1 0 0 Cadmum ppm ASTM05165m 0 0 0 0 0 Cadmum ppm ASTM05165m 0 <th></th> <th>Fuel</th> <th></th> <th>WC Method</th> <th>>5</th> <th><1.0</th> <th><1.0</th> <th><1.0</th>		Fuel		WC Method	>5	<1.0	<1.0	<1.0
the oil. Confirm oil type. Glycol WC Method NEG NEG NEG VEAR METALS method insitbase current insitbase insitbase Iron ppm ASTM D51658 >20 1 -1 -1 Chromium ppm ASTM D51658 >20 0 0 0 Nickel ppm ASTM D51658 >20 0 0 0 Silver ppm ASTM D51658 >22 0 0 0 Aluminum ppm ASTM D51658 >20 0 0 0 Copper ppm ASTM D51658 >20 0 0 0 Copper ppm ASTM D51658 >20 0 0 0 Vanadium ppm ASTM D51658 >30 101 99 A Cadmium ppm ASTM D51658 >0 0 0 0 Molydenum ppm ASTM D51658 0 0 0 0 Molydenum ppm ASTM D51658 0 0 0 0 Molydenum ppm ASTM D51658 0 23 13 14 Magnesium ppm ASTM D		Water		WC Method	>0.2	NEG	NEG	NEG
Iron ppm ASTM D5185m >200 15 15 Chromium ppm ASTM D5185m >20 <1		Glycol		WC Method		NEG	NEG	NEG
Ohromium ppm ASTM DS185m >20 <1 <1 <1 Nickel ppm ASTM DS185m >2 0 0 0 Titanium ppm ASTM DS185m >2 1 <1		WEAR METALS		method	limit/base	e current	history1	history2
Nickel ppm ASTM D5185m >2 0 0 0 Titanium ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >2 3 2 2 Lead ppm ASTM D5185m >40 0 0 0 Copper ppm ASTM D5185m >40 0 0 0 Tim ppm ASTM D5185m >40 0 0 0 Vanadium ppm ASTM D5185m >15 <1 0 0 0 Vanadium ppm ASTM D5185m 0 59 76 71 Barium ppm ASTM D5185m 0 59 76 71 Barium ppm ASTM D5185m 0 59 76 71 Barium ppm ASTM D5185m 0 647 588 679 Calcium ppm ASTM D5185m 1677 1492 15599 Cohosphorus ppm ASTM D5185m 29 215 3476<		Iron	ppm	ASTM D5185m	>100	19	15	15
Titanium ppm ASTM D5185m >2 <1 <1 <1 Silver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >25 3 2 2 Lead ppm ASTM D5185m >40 0 0 0 Copper ppm ASTM D5185m >330 101 99 144 Tin ppm ASTM D5185m >330 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDTIVES method imit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 0 Magnesium ppm ASTM D5185m 0 647 588 679 Calcium ppm ASTM D5185m 6465 741 599 5465 674 Magnesium ppm ASTM D5185m		Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Silver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >26 3 2 2 Lead ppm ASTM D5185m >33.0 101 9.90 ▲ Copper ppm ASTM D5185m >33.0 101 9.90 ▲ Tin ppm ASTM D5185m >15 <1		Nickel	ppm	ASTM D5185m	>2	0	0	0
Aluminum ppm ASTM D5185m >25 3 2 2 Lead ppm ASTM D5185m >40 0 0 0 Copper ppm ASTM D5185m >330 101 99 4 144 Tin ppm ASTM D5185m >15 <1 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 59 76 71 Boron ppm ASTM D5185m 0 59 76 71 Barium ppm ASTM D5185m 0 23 19 11 Manganesie ppm ASTM D5185m 0 647 588 679 Calcium ppm ASTM D5185m 0 647		Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Lead ppm ASTM D5185m >>40 0 0 0 Copper ppm ASTM D5185m >330 101 99 ▲ 144 Tin ppm ASTM D5185m >10 0 0 Vanadium ppm ASTM D5185m <1		Silver	ppm	ASTM D5185m	>2	0	0	0
Copper ppm ASTM D5185m >33.0 101 9.9 ▲ 144 Tin ppm ASTM D5185m >1.5 <1 0.0 0.0 Vanadium ppm ASTM D5185m 0 0.0 0.0 Cadmium ppm ASTM D5185m 0 0.0 0.0 ADDITIVES method Imit/base current history1 history2 Boron ppm ASTM D5185m 0 59 7.6 7.1 Barium ppm ASTM D5185m 0 23.0 1.9 1.1 Magneseium ppm ASTM D5185m 0 647 5.88 6.79 Calcium ppm ASTM D5185m 0 647 5.88 6.79 Calcium ppm ASTM D5185m 0 647 5.88 6.79 Calcium ppm ASTM D5185m 23291 2615 3476 Silicon ppm ASTM D5185m 22 7 7 6<		Aluminum	ppm	ASTM D5185m	>25	3	2	2
Copper ppm ASTM D5185m >33.0 101 9.9 ▲ 14.4 Tin ppm ASTM D5185m >15 <1 0.0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 59 76 71 Boron ppm ASTM D5185m 0 59 76 71 Barium ppm ASTM D5185m 0 23 19.0 11 Manganese ppm ASTM D5185m 0 23 19.0 11 Magnesium ppm ASTM D5185m 0 647 588 679 Calcium ppm ASTM D5185m 0 647 588 679 Calcium ppm ASTM D5185m 0 647 588 741 Zinc ppm ASTM D5185m 968 841 895 Sulfur ppm ASTM D5185m 2291 2615 3476 Sodium ppm ASTM D5185m >20 3 3		Lead	ppm	ASTM D5185m	>40	0	0	0
Tin ppm ASTM D5185n >15 <1		Copper		ASTM D5185m	>330	101	99	1 44
CadmiumppmASTM D5185m000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m0597671BariumppmASTM D5185m0000MolybdenumppmASTM D5185m0231911ManganeseppmASTM D5185m0647588679CalciumppmASTM D5185m0647588679CalciumppmASTM D5185m167814921599PhosphorusppmASTM D5185m764685741ZincppmASTM D5185m764685741ZincppmASTM D5185m20329126153476SulfurppmASTM D5185m22776SouffurppmASTM D5185m20341PotassiumppmASTM D5185m20341INFRA-REDmethodlimit/basecurrenthistory1history2Souf %%*ASTM D7844>2010.89.411.0SulfationAbs/rm*ASTM D7844>2010.89.411.0SulfationAbs/rm*ASTM D7845>3023.321.722.9FLUID DEGRAD-TIONmethodlimit/basecurrenthistory1history2OxidationAbs/rm*ASTM D7844>2522.319.2			ppm	ASTM D5185m	>15	<1	0	0
ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5165m0597671BariumppmASTM D5185m0000MolybdenumppmASTM D5185m0231911ManganeseppmASTM D5185m0647588679CalciumppmASTM D5185m0647588679CalciumppmASTM D5185m167814921599PhosphorusppmASTM D5185m764685741ZinoppmASTM D5185m968841895SulfurppmASTM D5185m229126153476CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>20334INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%'ASTM D5185m>203.34INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%'ASTM D7624>2010.89.411.0SulfationAbs/rm'ASTM D745>3023.321.722.9FLUID DEGRADATI/ONmethodlimit/basecurrenthistory1history2OxidationAbs/rm'ASTM D744>2522.319.219.9		Vanadium	ppm	ASTM D5185m		0	0	0
Boron ppm ASTM D5185m 0 59 76 71 Barium ppm ASTM D5185m 0 0 0 0 0 Molybdenum ppm ASTM D5185m 0 23 19 11 Manganese ppm ASTM D5185m 0 647 588 679 Calcium ppm ASTM D5185m 764 685 741 Zinc ppm ASTM D5185m 968 841 895 Sulfur ppm ASTM D5185m 2291 2615 3476 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 3 3		Cadmium	ppm	ASTM D5185m		0	0	0
Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 23 19 11 Manganese ppm ASTM D5185m 0 23 19 11 Magnesium ppm ASTM D5185m 0 647 588 679 Calcium ppm ASTM D5185m 0 647 588 741 Zinc ppm ASTM D5185m 764 685 741 Zinc ppm ASTM D5185m 29 968 841 895 Sulfur ppm ASTM D5185m 2291 2615 3476 CONTAMINANTS method imit/base current history1 history2 Silicon ppm ASTM D5185m >20 3 4 3 Potassium ppm ASTM D5185m >20 3 4 3 INFRA-RED method imit/base current history1 history2 Soot % % 'ASTM D71624 >20 10.8 9.4		ADDITIVES		method	limit/base	e current	history1	history2
Molybdenum ppm ASTM D5185m 0 23 19 11 Manganese ppm ASTM D5185m <1 <1 <1 Magnesium ppm ASTM D5185m 0 647 588 679 Calcium ppm ASTM D5185m 0 647 588 679 Calcium ppm ASTM D5185m 0 647 685 741 Phosphorus ppm ASTM D5185m 764 685 741 Zinc ppm ASTM D5185m 968 841 895 Sulfur ppm ASTM D5185m 3291 2615 3476 CONTAMINANTS ppm ASTM D5185m >25 7 7 6 Solicon ppm ASTM D5185m >20 3 3 4 Potassium ppm ASTM D5185m >20 3 3 4 Nitration Abs/mm 'ASTM D5185m >20 3 3 4 Nitration Abs/mm 'ASTM D7844 >3 0.1 0.1		Boron	ppm	ASTM D5185m	0	59	76	71
Maganesse ppm ASTM D5185m <1 <1 <1 Magnesium ppm ASTM D5185m 0 647 588 679 Calcium ppm ASTM D5185m 0 647 588 679 Calcium ppm ASTM D5185m 1678 1492 1599 Phosphorus ppm ASTM D5185m 764 685 741 Zinc ppm ASTM D5185m 764 685 741 Sulfur ppm ASTM D5185m 9668 841 895 Sulfur ppm ASTM D5185m 3291 2615 3476 CONTAMINANTS method imit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 7 6 Sodium ppm ASTM D5185m >20 3 3 4 Potassium ppm ASTM D5185m >20 3 3 4 INFRA-RED method imit/base current history1 history2 Soot		Barium	ppm	ASTM D5185m	0	0	0	0
Magnesium ppm ASTM D5185m 0 647 588 679 Calcium ppm ASTM D5185m 1678 1492 1599 Phosphorus ppm ASTM D5185m 764 685 741 Zinc ppm ASTM D5185m 968 841 895 Sulfur ppm ASTM D5185m 3291 2615 3476 CONTAMINANTS method limit/base current history1 history2 Sulfur ppm ASTM D5185m >25 7 7 6 Sodium ppm ASTM D5185m >20 3 3 4 Potassium ppm ASTM D5185m >20 3 3 4 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7644 >3 0.1 0.1 0.2 Nitration Abs/mm *ASTM D7645 >30 23.3 21.7 22.9 FLUID DEGRADXTION method limit/base current history1 hi		Molybdenum	ppm	ASTM D5185m	0	23	19	11
Calcium ppm ASTM D5185m 1678 1492 1599 Phosphorus ppm ASTM D5185m 764 685 741 Zinc ppm ASTM D5185m 968 841 895 Sulfur ppm ASTM D5185m 3291 2615 3476 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 7 6 Sodium ppm ASTM D5185m >20 3 3 4 Potassium ppm ASTM D5185m >20 3 3 4 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.1 0.1 0.2 Nitration Abs/cm *ASTM D7415 >30 23.3 21.7 22.9 FLUID DEGRAD/TION Method limit/base current history1 history2 Oxidation Abs/tm *ASTM D7414 >25 22.3 19.9		Manganese	ppm	ASTM D5185m		<1	<1	<1
Phosphorus ppm ASTM D5185m 764 685 741 Zinc ppm ASTM D5185m 968 841 895 Sulfur ppm ASTM D5185m 3291 2615 3476 Sulfur ppm ASTM D5185m >296 7 7 6 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 7 6 Sodium ppm ASTM D5185m >20 3 3 4 Potassium ppm ASTM D5185m >20 3 3 4 INFRA-RED method limit/base current history1 history2 Soot % % 'ASTM D7624 >30 0.1 0.1 0.2 Nitration Abs/rm 'ASTM D7624 >20 10.8 9.4 11.0 Sulfation Abs/rm 'ASTM D7624 >30 23.3 21.7 22.9 FLUID DEGRAD/TION method limit/base current history1		Magnesium	ppm	ASTM D5185m	0	647	588	679
Zinc ppm ASTM D5185m 968 841 895 Sulfur ppm ASTM D5185m 3291 2615 3476 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 7 7 6 Sodium ppm ASTM D5185m >20 3 3 4 Potassium ppm ASTM D5185m >20 3 3 4 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7624 >20 10.8 9.4 11.0 Sulfation Abs/tm *ASTM D7624 >20 10.8 9.4 11.0 Sulfation Abs/tm *ASTM D7145 >30 23.3 21.7 22.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/tm *ASTM D7141 >25 22.3 19.9 19.9		Calcium	ppm	ASTM D5185m		1678	1492	1599
SulfurppmASTM D5185m329126153476CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25776SodiumppmASTM D5185m221PotassiumppmASTM D5185m>20334INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>30.10.10.2NitrationAbs/cm*ASTM D7624>2010.89.411.0SulfationAbs/1mm*ASTM D7415>3023.321.722.9FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/1mm*ASTM D7414>2522.319.219.9		Phosphorus	ppm	ASTM D5185m		764	685	741
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25776SodiumppmASTM D5185m221PotassiumppmASTM D5185m>20334INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>30.10.10.2NitrationAbs/cm*ASTM D7624>2010.89.411.0SulfationAbs/tm*ASTM D7415>3023.321.722.9FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/tm*ASTM D7414>2522.319.219.9		Zinc	ppm	ASTM D5185m		968	841	895
SiliconppmASTM D5185m>25776SodiumppmASTM D5185m221PotassiumppmASTM D5185m>20334INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7644>30.10.10.2NitrationAbs/cm*ASTM D7624>2010.89.411.0SulfationAbs/limm*ASTM D7615>3023.321.722.9FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/limm*ASTM D7414>2522.319.219.9		Sulfur	ppm	ASTM D5185m		3291	2615	3476
SodiumppmASTM D5185m221PotassiumppmASTM D5185m>20334INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>30.10.10.2NitrationAbs/cm*ASTM D7624>2010.89.411.0SulfationAbs/.1mm*ASTM D7415>3023.321.722.9FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/.1mm*ASTM D7414>2522.319.219.9		CONTAMINANTS	6	method	limit/base	e current	history1	history2
PotassiumppmASTM D5185m>20334INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>30.10.10.2NitrationAbs/cm*ASTM D7624>2010.89.411.0SulfationAbs/.1mm*ASTM D7415>3023.321.722.9FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/.1mm*ASTM D7414>2522.319.219.9		Silicon	ppm	ASTM D5185m	>25	7	7	6
INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>30.10.10.2NitrationAbs/cm*ASTM D7624>2010.89.411.0SulfationAbs/lmm*ASTM D7415>3023.321.722.9FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/lmm*ASTM D7414>2522.319.219.9		Sodium	ppm	ASTM D5185m		2	2	1
Soot % % *ASTM D7844 >3 0.1 0.1 0.2 Nitration Abs/cm *ASTM D7624 >20 10.8 9.4 11.0 Sulfation Abs/.1mm *ASTM D7415 >30 23.3 21.7 22.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 22.3 19.2 19.9		Potassium	ppm	ASTM D5185m	>20	3	3	4
Nitration Abs/cm *ASTM D7624 >20 10.8 9.4 11.0 Sulfation Abs/.1mm *ASTM D7415 >30 23.3 21.7 22.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 22.3 19.2 19.9		INFRA-RED		method	limit/base	e current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 23.3 21.7 22.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 22.3 19.2 19.9		Soot %	%	*ASTM D7844	>3	0.1	0.1	0.2
FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/.1mm*ASTM D7414>2522.319.219.9		Nitration	Abs/cm	*ASTM D7624	>20	10.8	9.4	11.0
Oxidation Abs/.1mm *ASTM D7414 >25 22.3 19.2 19.9		Sulfation	Abs/.1mm	*ASTM D7415	>30	23.3	21.7	22.9
		FLUID DEGRADA	ATION	method	limit/base	e current	history1	history2
		Oxidation	Abs/.1mm	*ASTM D7414	>25	22.3	19.2	19.9
		Base Number (BN)	mg KOH/g	ASTM D2896	9.4	6.9		7.4

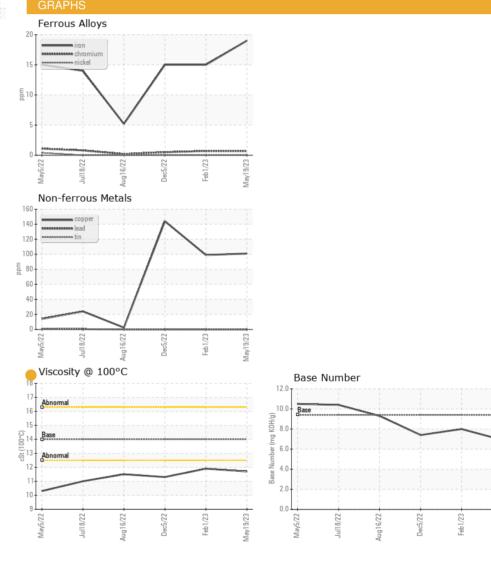


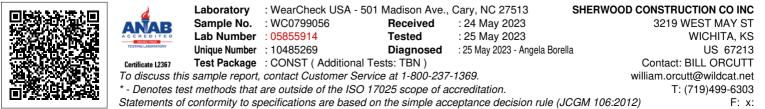
OIL ANALYSIS REPORT





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 PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14	11.7	11.9	11.3





Submitted By: BRANDEN JAQUIAS

Page 2 of 2

May19/23 -