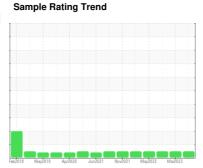


OIL ANALYSIS REPORT

COLORADO/443/EG - SKID STEER





NORMAL

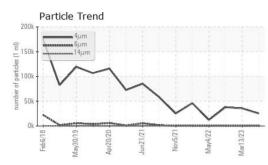
53.134L [COLORADO^443^EG - SKID STEER] Component Hydraulic System

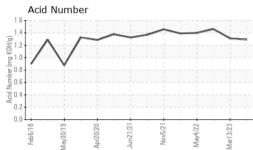
MOBIL MOBILTRANS AST 30 (--- GAL)

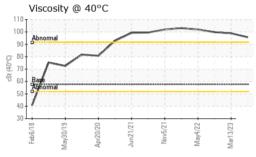
Backample at the next service interval to monitor. Sample Date Client Into B8 Nov 2023 13 Mar 2023 22 Aug Ver Ucomponent wear rates are normal. Contamination 619 579 5227 System are acceptable. There is no indication of system are acceptable. To this thuid. The ondition of the oil is suitable for further service. Coll Age Init and the acceptable. There is no indication of the oil is suitable for further service. No RMAL	DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Value of the set of t	Recommendation	Sample Number		Client Info		WC0859646	WC0766145	WC0718109
Uil component wear rates are normal. Oil Age hrs Client Info 4038 3981 4034. Contamination The amount and size of particulates present in the ystem are acceptable. There is no indication of my contamination in the oil. Northand </td <td>Resample at the next service interval to monitor.</td> <td>Sample Date</td> <td></td> <td>Client Info</td> <td></td> <td>08 Nov 2023</td> <td>13 Mar 2023</td> <td>22 Aug 2022</td>	Resample at the next service interval to monitor.	Sample Date		Client Info		08 Nov 2023	13 Mar 2023	22 Aug 2022
Contamination Not Changed Client Info Not Changed	Vear	Machine Age	hrs	Client Info		6159	5679	5227
Sample Status NORMAL NORMAL <tht< td=""><td>All component wear rates are normal.</td><td>Oil Age</td><td>hrs</td><td>Client Info</td><td></td><td>4038</td><td>3981</td><td>4034</td></tht<>	All component wear rates are normal.	Oil Age	hrs	Client Info		4038	3981	4034
Sample Status NORMAL NORMA	Contamination	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
WEAR METALS Method Current Instary Instary Fund Condition non ppm ASTM 05185m >20 10 10 8 Ivid Condition associptable for this fluid. The condition of the oil is suitable for further service. non ppm ASTM 05185m >10 0<		Sample Status				NORMAL	NORMAL	NORMAL
India Controlloud ppm ASTM D5185m >10 0 0 0 India AN Iversitia sacceptable for further service. Nickel ppm ASTM D5185m 10 0 0 0 0 Nickel ppm ASTM D5185m 10 0 0 0 0 Silver ppm ASTM D5185m 10 1 2 2 2 Lead ppm ASTM D5185m 10 1 0 <1	system are acceptable. There is no indication of any contamination in the oil.	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >10 0 0 0 Titanium ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 10 1 2 2 Lead ppm ASTM D5185m >10 1 2 2 Lead ppm ASTM D5185m >10 1 2 2 Tin ppm ASTM D5185m >10 0 0 <1	Fluid Condition	Iron	ppm	ASTM D5185m	>20	10	10	8
Titanium ppm ASTM D5185m 0 0 <1 Silver ppm ASTM D5185m 0 1 2 2 Lead ppm ASTM D5185m >10 <1	he AN level is acceptable for this fluid. The	Chromium	ppm	ASTM D5185m	>10	0	0	0
Silver ppm ASTM 05185m 0 0 0 Aluminum ppm ASTM 05185m >10 1 2 2 Lead ppm ASTM 05185m >75 3 2 2 Copper ppm ASTM 05185m >75 3 2 2 Tin ppm ASTM 05185m >10 0 0 0 0 Cadmium ppm ASTM 05185m 0 0 0 0 0 ADDITIVES method imti/base current history1 history1 history1 Boron ppm ASTM 05185m 6 0 0 0 Magnasium ppm ASTM 05185m <16	ondition of the oil is suitable for further service.	Nickel	ppm	ASTM D5185m	>10	0	0	0
Aluminum ppm ASTM D5185n >10 1 2 2 Lead ppm ASTM D5185n >10 <1		Titanium	ppm	ASTM D5185m		0	0	<1
Lead ppm ASTM D5185m >10 <1		Silver	ppm	ASTM D5185m		0	0	0
Copper ppm ASTM D5165m >75 3 2 2 Tin ppm ASTM D5165m 0 0 0 <1		Aluminum	ppm	ASTM D5185m	>10	1	2	2
Tin ppm ASTM D5185m >10 0 0 <1 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDTIVES method limit/base current history1 history1 history1 Boron ppm ASTM D5185m 39 30 30 30 Barium ppm ASTM D5185m 6 0 0 0 Molybdenum ppm ASTM D5185m c1 <1 <1 <1 Magnesium ppm ASTM D5185m 16 19 15 Calaium ppm ASTM D5185m 16 19 15 Zinc ppm ASTM D5185m 1248 903 951 Zinc ppm ASTM D5185m 1248 903 951 Sulfur ppm ASTM D5185m 20 7 8 8 Sodium ppm ASTM D5185m >20 7 8 8 <th< td=""><td></td><td>Lead</td><td>ppm</td><td>ASTM D5185m</td><td>>10</td><td><1</td><td>0</td><td><1</td></th<>		Lead	ppm	ASTM D5185m	>10	<1	0	<1
VanadiumppmASTM D5185m000CadmiumppmASTM D5185m000ADDITIVESmethodlimit/basecurrenthistory1histBoronppmASTM D5185m393030BariumppmASTM D5185m600MolybdenumppmASTM D5185m600ManganeseppmASTM D5185m0<1		Copper	ppm	ASTM D5185m	>75	3	2	2
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 39 30 30 Barium ppm ASTM D5185m 6 0 0 Molybdenum ppm ASTM D5185m <1		Tin	ppm	ASTM D5185m	>10	0	0	<1
ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 39 30 30 Barium ppm ASTM D5185m 6 0 0 Molybdenum ppm ASTM D5185m 1 <1		Vanadium	ppm	ASTM D5185m		0	0	0
Boron ppm ASTM D5185m 39 30 30 Barium ppm ASTM D5185m 6 0 0 Molybdenum ppm ASTM D5185m <1		Cadmium	ppm	ASTM D5185m		0	0	0
BariumppmASTM D5185m600MolybdenumppmASTM D5185m<1		ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m <1		Boron	ppm	ASTM D5185m		39	30	30
Marganesse pm ASTM D5185m 0 <1 <1 Magnesium ppm ASTM D5185m 16 19 15 Calcium ppm ASTM D5185m 16 19 15 Calcium ppm ASTM D5185m 16 19 15 Calcium ppm ASTM D5185m 1248 903 951 Zinc ppm ASTM D5185m 1397 1152 1165 Sulfur ppm ASTM D5185m 6184 4705 4511 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m 20 7 8 8 Sodium ppm ASTM D5185m 20 7 8 8 Sodium ppm ASTM D5185m 20 2 0 0 FLUID CLEANLINESS method limit/base current history1 hist Particles >4µm ASTM D5185m 20 2 0 0 0 Particles >50µm ASTM D7647<		Barium	ppm	ASTM D5185m		6	0	0
Magnesium ppm ASTM D5185m 16 19 15 Calcium ppm ASTM D5185m 3377 2884 2863 Phosphorus ppm ASTM D5185m 1248 903 951 Zinc ppm ASTM D5185m 1397 1152 1165 Sulfur ppm ASTM D5185m 6184 4705 4511 CONTAMINANTS method imit/base current history1 history1 history1 Silicon ppm ASTM D5185m >20 7 8 8 8 Sodium ppm ASTM D5185m >20 7 8 8 8 Sodium ppm ASTM D5185m >20 2 0		Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Calcium ppm ASTM D5185m 3377 2884 2863 Phosphorus ppm ASTM D5185m 1248 903 951 Zinc ppm ASTM D5185m 1397 1152 1163 Sulfur ppm ASTM D5185m 6184 4705 4511 CONTAMINANTS method limit/base current history1 hist Silicon ppm ASTM D5185m >20 7 8 8 Sodium ppm ASTM D5185m >20 2 0 0 FLUID CLEANLINESS method limit/base current history1 hist Particles >4µm ASTM D7647 >2500 245 228 238 Particles >6µm ASTM D7647 >640 12 13 9 Particles		Manganese	ppm	ASTM D5185m		0	<1	<1
PhosphorusppmASTM D5185m1248903951ZincppmASTM D5185m139711521163SulfurppmASTM D5185m618447054511CONTAMINANTSmethodlimit/basecurrenthistory1histSiliconppmASTM D5185m>20788SodiumppmASTM D5185m>20788SodiumppmASTM D5185m>20200FLUID CLEANLINESSmethodlimit/basecurrenthistory1histParticles >4µmASTM D7647>2500245228238Particles >4µmASTM D7647>64012139Particles >14µmASTM D7647>6601233Particles >21µmASTM D7647>40000Particles >38µmASTM D7647>10000Particles >71µmIS0 4406 (c)>/18/1622/15/1122/15/1122/15/11		Magnesium	ppm	ASTM D5185m		16	19	15
ZincppmASTM D5185m139711521163SulfurppmASTM D5185m618447054511CONTAMINANTSmethodlimit/basecurrenthistory1histSiliconppmASTM D5185m>20788SodiumppmASTM D5185m>20788SodiumppmASTM D5185m022PotassiumppmASTM D5185m>20200FLUID CLEANLINESSmethodlimit/basecurrenthistory1histParticles >4 μ mASTM D7647>2500245228238Particles >4 μ mASTM D7647>64012139Particles >21 μ mASTM D7647>160233Particles >38 μ mASTM D7647>40000Particles >71 μ mASTM D7647>10000Oil CleanlinessISO 4406 (c)>/18/1622/15/1122/15/1122/15/11		Calcium	ppm	ASTM D5185m		3377	2884	2863
SulfurppmASTM D5185m618447054511 $CONTAMINANTS$ methodlimit/basecurrenthistory1histSiliconppmASTM D5185m>20788SodiumppmASTM D5185m>20788SodiumppmASTM D5185m>20222PotassiumppmASTM D5185m>20200FLUID CLEANLINESSmethodlimit/basecurrenthistory1histParticles >4 μ mASTM D7647>2500245228238Particles >6 μ mASTM D7647>64012139Particles >14 μ mASTM D7647>6401233Particles >21 μ mASTM D7647>160233Particles >38 μ mASTM D7647>10000Particles >71 μ mASTM D7647>10000Oil CleanlinessISO 4406 (c)>/18/1622/15/1122/15/1122/15/11		Phosphorus	ppm	ASTM D5185m		1248	903	951
CONTAMINANTSmethodlimit/basecurrenthistory1history1SiliconppmASTM D5185m>20788SodiumppmASTM D5185m0022PotassiumppmASTM D5185m>20200FLUID CLEANLINESSmethodlimit/basecurrenthistory1history1Particles >4 μ mASTM D7647>25331355903794Particles >6 μ mASTM D7647>2500245228238Particles >6 μ mASTM D7647>64012139Particles >14 μ mASTM D7647>160233Particles >21 μ mASTM D7647>40000Particles >71 μ mASTM D7647>10000Oil CleanlinessISO 4406 (c)>/18/1622/15/1122/15/1122/15/11		Zinc	ppm	ASTM D5185m		1397	1152	1163
SiliconppmASTM D5185m>20788SodiumppmASTM D5185m \mathbf{O} 222PotassiumppmASTM D5185m>20200FLUID CLEANLINESSmethodlimit/basecurrenthistory1history1Particles >4 μ mASTM D764725301355903794Particles >6 μ mASTM D7647>2500245228238Particles >6 μ mASTM D7647>64012139Particles >14 μ mASTM D7647>160233Particles >21 μ mASTM D7647>40000Particles >38 μ mASTM D7647>10000Particles >71 μ mISO 4406 (c)>/18/1622/15/1122/15/1122/15/1122/15/11		Sulfur	ppm	ASTM D5185m		6184	4705	4511
SodiumppmASTM D5185m022PotassiumppmASTM D5185m>20200FLUID CLEANLINESSmethodlimit/basecurrenthistory1hisParticles >4 μ mASTM D7647>2500245228238Particles >6 μ mASTM D7647>64012139Particles >14 μ mASTM D7647>64012139Particles >21 μ mASTM D7647>160233Particles >38 μ mASTM D7647>40000Particles >71 μ mASTM D7647>10000Oil CleanlinessISO 4406 (c) >/18/1622/15/1122/15/1122/15/1122/15/11		CONTAMINANT	S	method	limit/base	current	history1	history2
PotassiumppmASTM D5185m>20200FLUID CLEANLINESSmethodlimit/basecurrenthistory1hisParticles >4 μ mASTM D764725331355903794Particles >6 μ mASTM D7647>2500245228238Particles >14 μ mASTM D7647>64012139Particles >21 μ mASTM D7647>160233Particles >38 μ mASTM D7647>40000Particles >71 μ mASTM D7647>10000Oil CleanlinessISO 4406 (c)>/18/1622/15/1122/15/1122/15/11		Silicon	ppm	ASTM D5185m	>20	7	8	8
FLUID CLEANLINESS method limit/base current history1 hist Particles >4µm ASTM D7647 25331 35590 3794 Particles >6µm ASTM D7647 >2500 245 228 238 Particles >14µm ASTM D7647 >640 12 13 9 Particles >21µm ASTM D7647 >160 2 3 3 Particles >38µm ASTM D7647 >40 0 0 0 Particles >71µm ASTM D7647 >10 0 0 0 Oil Cleanliness ISO 4406 (c) >/18/16 22/15/11 22/15/11 22/15/11		Sodium	ppm	ASTM D5185m		0	2	2
Particles >4 μ mASTM D764725331355903794Particles >6 μ mASTM D7647>2500245228238Particles >14 μ mASTM D7647>64012139Particles >21 μ mASTM D7647>160233Particles >38 μ mASTM D7647>40000Particles >71 μ mASTM D7647>10000Oil CleanlinessISO 4406 (c)>/18/1622/15/1122/15/1122/15/11		Potassium	ppm	ASTM D5185m	>20	2	0	0
Particles >6µm ASTM D7647 >2500 245 228 238 Particles >14µm ASTM D7647 >640 12 13 9 Particles >21µm ASTM D7647 >160 2 3 3 Particles >38µm ASTM D7647 >40 0 0 0 Particles >71µm ASTM D7647 >10 0 0 0 Oil Cleanliness ISO 4406 (c) >/18/16 22/15/11 22/15/11 22/15/11		FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
Particles >14 μ mASTM D7647>64012139Particles >21 μ mASTM D7647>160233Particles >38 μ mASTM D7647>40000Particles >71 μ mASTM D7647>10000Oli CleanlinessISO 4406 (c)>/18/1622/15/1122/15/1122/15/11								37942
Particles >21μm ASTM D7647 >160 2 3 3 Particles >38μm ASTM D7647 >40 0 0 0 Particles >38μm ASTM D7647 >40 0 0 0 Particles >71μm ASTM D7647 >10 0 0 0 Oil Cleanliness ISO 4406 (c) >/18/16 22/15/11 22/15/11 22/15/11								
Particles >38μm ASTM D7647 >40 0 0 0 Particles >71μm ASTM D7647 >10 0 0 0 Oil Cleanliness ISO 4406 (c) >/18/16 22/15/11 22/15/11 22/15/11								
Particles >71μm ASTM D7647 >10 0 0 0 0 Oil Cleanliness ISO 4406 (c) >/18/16 22/15/11 22/15/11 22/15/11 22/15/11							3	3
Oil Cleanliness ISO 4406 (c) >/18/16 22/15/11 22/15/11 22/15/11								
		-		ASTM D7647	>10	0	0	0
FLUID DEGRADATION method limit/base current history1 his		Oil Cleanliness		ISO 4406 (c)	>/18/16	22/15/11	22/15/11	22/15/10
		FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045 1.29 1.31 1.46		Acid Number (AN)	mg KOH/g	ASTM D8045		1.29	1.31	1.46

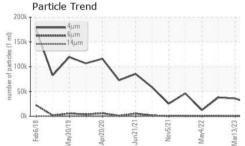


OIL ANALYSIS REPORT

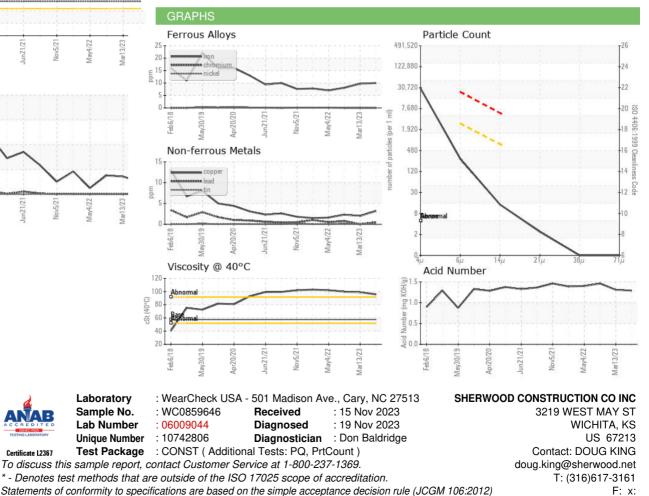








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.6	95.7	98.9	99.8
SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
Color						
Bottom						



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: BRANDEN JAQUIAS

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