



CR26-3

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DIFFERENTIAL CENTER

EQUIP NUM: 6326

SERIAL NUMBER: EJF689167

N030-53019-0005

LABEL#: 201147150

SAMPLE SHIP TIME (days): 9

SUMMOOR CONTRACTING

LTD

RECEIVED DATE: 19-Jan-23

DEERE 460E



No Action Required

Interp By: Gregory Scribner

Interpreted On: 24-Jan-23

OIL TYPE/ GRADE MAY HAVE BEEN CHANGED - NOTE CHANGES TO VISCOSITY, DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

SAMPLE INFORMATION

Sampled Date	10-Jan-23	01-Feb-21
Sample Id	N030-53019-0005	N030-51050-0406
Lab Date	19-Jan-23	19-Feb-21
Meter (Hr)	3904	2570
Comp Meter (Hr)	3904	2570
Miles On Fluid	1000	2570
Fluid Brand		
Fluid Weight		
Fluid Type		
Fluid Change	N	N
Filter Change	Y	N
Kidney Loop	U	U

CONDITION / CONTAMINATION

	10-Jan-23	01-Feb-21
VISCOSITY (Centistokes)		
V100 Viscosity at 100 C	6.400	7.3
VISCOSITY (Centistokes)		
V40 Viscosity at 40 C	34.40	48.9
VISCOSITY INDEX		
VI Viscosity Index	140	110

WEAR LEVELS / ADDITIVES

	10-Jan-23	01-Feb-21
ELEMENTAL ANALYSIS (ppm)		
Na Sodium	3	5
K Potassium	1	4
Si Silicon	10	6
Al Aluminum	1	1
Fe Iron	130	86
Cr Chromium	0	0
Pb Lead	17	26
Cu Copper	4	4
Sn Tin	0	0
Ni Nickel	0	0
Ag Silver	0	0
Ti Titanium	0	0
V Vanadium	0	0
Zn Zinc	1358	1256
Ca Calcium	3517	3344
Mg Magnesium	50	89
Ba Barium	2	3
B Boron	61	2
Mo Molybdenum	1	1
P Phosphorus	1064	1029

INFRARED (UFM)

ST Soot	0	0
OXI Oxidation	12	12
SUL Sulfur Products	19	19
NIT Nitration	3	3

WATER

W Water	N	N
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CLEANLINESS

	10-Jan-23	01-Feb-21
PARTICLE COUNT		
ISO ISO Code Rating	23/23/22	DEBRIS, METAL
PC Ra PC Rating		A2 FERROUS
4µ 4µ	78952	
6µ 6µ	68599	
10µ 10µ	44404	
14µ 14µ	21094	
18µ 18µ	5510	
21µ 21µ	1455	
38µ 38µ	7	
50µ 50µ	3	



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DIFFERENTIAL FRONT

EQUIP NUM: 6326

SERIAL NUMBER: EJF688167

N030-53019-0004

LABEL#: 201168012

SAMPLE SHIP TIME (days) : 9

SLMDOR CONTRACTING
LTD

RECEIVED DATE: 19-Jan-23

DEERE 460E

No Action Required

Interp By: Gregory Scribner

Interpreted On: 24-Jan-23

OIL TYPE/ GRADE MAY HAVE BEEN CHANGED - NOTE CHANGES TO VISCOSITY. DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

SAMPLE INFORMATION

Sampled Date	10-Jan-23	01-Feb-21
Sample Id	N030-53019-0004	N030-51050-0407
Lab Date	19-Jan-23	19-Feb-21
Meter [Hr]	3904	2570
Comp Meter [Hr]	3904	2570
Meter On Fluid	1000	2570
Fluid Brand		
Fluid Weight		
Fluid Type		
Fluid Change	N	N
Filter Change	Y	N
Kidney Loop	U	U

CONDITION / CONTAMINATION

	10-Jan-23	01-Feb-21
VISCOSITY (Centistokes)		
V100 Viscosity at 100 C	6.600	7.3
VISCOSITY (Centistokes)		
V40 Viscosity at 40 C	36.50	49.5
VISCOSITY INDEX		
VI Viscosity Index	137	107

WEAR LEVELS / ADDITIVES

	10-Jan-23	01-Feb-21
ELEMENTAL ANALYSIS (ppm)		
Na Sodium	5	5
K Potassium	1	3
Si Silicon	7	4
Al Aluminum	1	1
Fe Iron	46	54
Cr Chromium	0	0
Pb Lead	11	17
Cu Copper	7	6
Sn Tin	0	0
Ni Nickel	0	0
Ag Silver	0	0
Ti Titanium	0	0
V Vanadium	0	0
Zn Zinc	1315	1251
Ca Calcium	3462	3341
Mg Magnesium	66	91
Ba Barium	2	4
B Boron	48	2
Mo Molybdenum	1	0
P Phosphorus	1041	1014

INFRARED (UFM)

ST Soot	0	0
OXI Oxidation	12	11
SUL Sulfur Products	19	19
NIT Nitration	3	3

WATER

W Water	N	N
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CLEANLINESS

	10-Jan-23	01-Feb-21
PARTICLE COUNT		
ISO ISO Code Rating	23/21/15	23/22/13
4µ 4µ	73230	77846
6µ 6µ	16156	38618
10µ 10µ	651	1492
14µ 14µ	250	74
18µ 18µ	116	22
21µ 21µ	54	10
38µ 38µ	2	0
50µ 50µ	1	0



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HYDRAULIC SYSTEM

EQUIP NUM: 6326

SERIAL NUMBER: EJF689167

N030-53019-0001

LABEL#: 201167675

SAMPLE SHIP TIME (days) : 9

SLINDOR CONTRACTING

LTD

RECEIVED DATE: 19-Jan-23

DEERE 480E



No Action Required

Interp By: Gregory Scribner

Interpreted On: 24-Jan-23

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

SAMPLE INFORMATION

Sampled Date	10-Jan-23	78-Sep-22
Sample Id	N030-53019-0001	N030-52284-0443
Lab Date	19-Jan-23	11-Oct-22
Meter (Hr)	3904	3589
Comp Meter (Hr)	3904	3589
Meter On Fluid	1000	500
Fluid Brand	PETRO-CAN	PETRO-CAN
Fluid Weight	32-ISO	
Fluid Type	HYDREX	HYDREX
Fluid Change	N	N
Filter Change	Y	Y
Kidney Loop	U	U

CONDITION / CONTAMINATION

	10-Jan-23	28-Sep-22
VISCOSITY (Centistokes)		
V100 Viscosity at 100 C	9.200	9.500
VISCOSITY (Centistokes)		
V40 Viscosity at 40 C	41.10	41.80
VISCOSITY INDEX		
VI Viscosity Index	215	221

WEAR LEVELS / ADDITIVES

ELEMENTAL ANALYSIS (ppm)

	10-Jan-23	28-Sep-22
Na Sodium	2	1
K Potassium	3	0
Si Silicon	2	2
Al Aluminum	1	1
Fe Iron	11	10
Cr Chromium	5	5
Pb Lead	0	0
Cu Copper	1	2
Sn Tin	0	0
Ni Nickel	0	1
Ag Silver	0	0
Ti Titanium	0	0
V Vanadium	0	0
Zn Zinc	793	774
Ca Calcium	200	201
Mg Magnesium	44	48
Ba Barium	0	0
B Boron	2	2
Mo Molybdenum	2	2
P Phosphorus	571	601

INFRARED (UFM)

ST Soot	0	0
OXI Oxidation	46	49
SUL Sulfur Products	53	55
NIT Nitration	2	2

ANTIFREEZE

A Antifreeze	N	N
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WATER

W Water	N	N
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CLEANLINESS

	10-Jan-23	28-Sep-22
PARTICLE COUNT		
ISO ISO Code Rating	20/16/12	METAL
PC Ra PC Rating		A3 FERROUS
4µ 4µ	6018	
6µ 6µ	534	
10µ 10µ	100	
14µ 14µ	39	
18µ 18µ	19	
21µ 21µ	13	
38µ 38µ	2	
50µ 50µ	1	



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DIFFERENTIAL REAR

EQUIP NUM: 6326

SERIAL NUMBER: EJF689187

N030-53019-0003

LABEL#: 201168291

SAMPLE SHIP TIME (days): 9

SLIMDOR CONTRACTING
LTD

RECEIVED DATE: 19-Jan-23

DEERE 460E



No Action Required

Interp By: Gregory Scribner

Interpreted On: 24-Jan-23

OIL TYPE/ GRADE MAY HAVE BEEN CHANGED - NOTE CHANGES TO VISCOSITY. UNABLE TO TEST FOR PARTICLE COUNT (ISO CODE) DUE TO SOME VISIBLE PARTICULATE. WEAR METAL ANALYSIS INDICATES ACCEPTABLE WEAR RATE. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

SAMPLE INFORMATION

Sampled Date	10-Jan-23	01-Feb-21
Sample Id	N030-53019-0003	N030-51050-0400
Lab Date	19-Jan-23	19-Feb-21
Meter [Hr]	3904	2570
Comp Meter [Hr]	3904	2570
Meter On Fluid	1000	2570
Fluid Brand		
Fluid Weight		
Fluid Type		
Fluid Change	N	N
Filter Change	Y	N
Kidney Loop	U	U

CONDITION / CONTAMINATION

	10-Jan-23	01-Feb-21
VISCOSITY (Centistokes)		
V100 Viscosity at 100 C	6.300	7.7

VISCOSITY (Centistokes)		
V40 Viscosity at 40 C	33.70	50.7

VISCOSITY INDEX		
VI Viscosity Index	140	117

INFRARED (UFM)		
ST Soot	0	0
OXI Oxidation	12	11
SUL Sulfur Products	18	18
NIT Nitration	3	3

WATER		
W Water	N	T

CLEANLINESS

	10-Jan-23	01-Feb-21
PARTICLE COUNT		
ISO ISO Code Rating	DEGRIS	H2O
PC Ra PC Rating	B1	

WEAR LEVELS / ADDITIVES

	10-Jan-23	01-Feb-21
ELEMENTAL ANALYSIS (ppm)		
Na Sodium	5	4
K Potassium	2	3
Si Silicon	11	4
Al Aluminum	2	2
Fe Iron	59	45
Cr Chromium	0	0
Pb Lead	0	0
Cu Copper	3	4
Sn Tin	0	0
Ni Nickel	0	0
Ag Silver	0	0
Ti Titanium	0	0
V Vanadium	0	0
Zn Zinc	1373	1309
Ca Calcium	3516	3442
Mg Magnesium	56	54
Ba Barium	1	4
B Boron	67	2
Mo Molybdenum	1	0
P Phosphorus	1071	1069



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ENGINE

EQUIP NUM: 6326

SERIAL NUMBER: EJF689167

DEERE 460E

No Action Required

Interp By: Gregory Scribner

Interpreted On: 24-Jan-23

N030-53019-0008

LABEL#: 201168430

SAMPLE SHIP TIME (days) : 9

SLIMDOR CONTRACTING

LTD

RECEIVED DATE: 19-Jan-23

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

SAMPLE INFORMATION

Sampled Date	10-Jan-23	25-Jul-22	08-Oct-21
Sample Id	N030-53019-0006	N030-52231-0275	N030-51294-0504
Lab Date	19-Jan-23	19-Aug-22	21-Oct-21
Meter [Hr]	3904	3386	2746
Comp Meter [Hr]	3904	3386	2746
Meter On Fluid	350	350	350
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	5W-40	5W-40	5W-40
Fluid Type			
Fluid Change	Y	Y	Y
Filter Change	Y	Y	Y
Make Up Fluid [L]	45	45	40
Kidney Loop	U	U	U

CONDITION / CONTAMINATION

		10-Jan-23	25-Jul-22	08-Oct-21
VISCOSITY (Centistokes)				
V100	Viscosity at 100 C	12.20	12.60	12.4
VISCOSITY (Centistokes)				
V40	Viscosity at 40 C	72.50	73.80	76.9
VISCOSITY INDEX				
VI	Viscosity Index	167	171	159

WEAR LEVELS / ADDITIVES

ELEMENTAL ANALYSIS (ppm)		10-Jan-23	25-Jul-22	08-Oct-21
Na	Sodium	3	7	5
K	Potassium	0	1	1
Si	Silicon	5	2	2
Al	Aluminum	3	2	3
Fe	Iron	12	9	13
Cr	Chromium	0	0	1
Pb	Lead	1	0	2
Cu	Copper	19	16	21
Sn	Tin	2	1	1
Ni	Nickel	1	0	0
Ag	Silver	0	0	0
Ti	Titanium	0	0	0
V	Vanadium	0	0	0
Zn	Zinc	1134	1006	1257
Ca	Calcium	873	2148	870
Mg	Magnesium	983	139	1180
Ba	Barium	0	0	0
B	Boron	30	5	48
Mo	Molybdenum	52	6	54
P	Phosphorus	940	948	1090

INFRARED (UFM)

ST	Soot	5	3	3
OXI	Oxidation	19	15	20
SUL	Sulfur Products	20	18	22
NIT	Nitration	10	8	8

ANTIFREEZE

A	Antifreeze	N	N	N
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FUEL

F	Fuel	N	N	N
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FUEL CONTENT (%)

PFC	Percent Fuel	4.10		1.88
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WATER

W	Water	N	N	N
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ENGINE

EQUIP NUM: 6326

SERIAL NUMBER: 1DW460ETEJF689167

N030-54249-0268

LABEL#: 201574161

SAMPLE SHIP TIME (days): 2

SLIMCOR CONTRACTING

LTD

RECEIVED DATE: 05-Sep-24

DEERE 460E

Monitor Compartment

Interp By: Gregory Scribner

Interpreted On: 09-Sep-24

ELEVATED SODIUM MAY BE RESIDUALS FROM COMBUSTED COOLANT. GLYCOL TEST IS NEGATIVE. GLYCOL CAN BURN OFF IF COOLANT ENTERS THROUGH THE CYLINDERS OR EGR COOLER (IF APPLICABLE). THIS CAN PREVENT ACCURATE DETECTION OF GLYCOL BY OUR INSTRUMENT. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT HALF THE NORMAL INTERVAL. MONITOR FOR COOLANT CONSUMPTION. CHECK FOR VISIBLE EVIDENCE OF COOLANT ENTRY.

*Smw6326
New EGR installed 5190hrs
Engine Oil Changed*

SAMPLE INFORMATION

	03-Sep-24	31-Aug-23	10-Jan-23	25-Jul-22
Sampled Date	03-Sep-24	31-Aug-23	10-Jan-23	25-Jul-22
Sample Id	N030-54249-0268	N030-53254-0493	N030-53019-0006	N030-52231-0275
Lab Date	05-Sep-24	11-Sep-23	19-Jan-23	19-Aug-22
Meter (Hr)	5190	4409	3904	3386
Comp Meter (Hr)	5190	4409	3904	3386
Meter On Fluid	300	250	350	350
Fluid Brand	PETRO-CAN	CAT	PETRO-CAN	PETRO-CAN
Fluid Weight	5W-40	0W-40	5W-40	5W-40
Fluid Type				
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Make Up Fluid [L]	44		45	45
Kidney Loop	U	U	U	U

CONDITION / CONTAMINATION

	03-Sep-24	31-Aug-23	10-Jan-23	25-Jul-22
VISCOSITY (Centistokes)				
V100 Viscosity at 100 C	12.80	12.60	12.20	12.60
VISCOSITY (Centistokes)				
V40 Viscosity at 40 C	78.70	75.20	72.50	73.80
VISCOSITY INDEX				
VI Viscosity Index	163	168	167	171

WEAR LEVELS / ADDITIVES

	03-Sep-24	31-Aug-23	10-Jan-23	25-Jul-22
ELEMENTAL ANALYSIS (ppm)				
Na Sodium	58	7	3	7
K Potassium	9	0	0	1
Si Silicon	2	2	5	2
Al Aluminum	6	4	3	2
Fe Iron	13	21	12	9
Cr Chromium	1	1	0	0
Pb Lead	0	0	1	0
Cu Copper	3	12	19	16
Sn Tin	0	2	2	1
Ni Nickel	0	1	1	0
Ag Silver	0	0	0	0
Ti Titanium	0	0	0	0
V Vanadium	0	0	0	0
Zn Zinc	1158	1117	1134	1086
Ca Calcium	1110	808	873	2148
Mg Magnesium	808	992	983	138
Ba Barium	0	0	0	0
B Boron	5	17	30	5
Mo Molybdenum	53	58	52	6
P Phosphorus	958	859	940	948

INFRARED (UFM)

ST Soot	12	12	5	3
OXI Oxidation	17	22	19	15
SUL Sulfur Products	21	24	20	18
NIT Nitration	7	11	10	8

ANTIFREEZE

A Antifreeze	N	N	N	N
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GLYCOL CONTENT (%)

PGC Percent Glycol Con	0.0082			
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FUEL

F Fuel	N	N	N	N
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FUEL CONTENT (%)

PFc Percent Fuel			4.10	
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WATER

W Water	N	N	N	N
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